Oil, Paint and Drug Reporter

THE CHEMICAL MARKET AUTHORITY

SINCE 1871

Volume 139
Number 7

February 17, 1941

AMMONIUM CARBONATE

Keystone Brand — U. S. P.

Manufactured for the past 50 years in our Detroit plant. Available in lump and powdered form — shipment in 500 lb. steel drums, 130 lb. kegs and 5 lb. cans. Prompt Deliveries Assured.

"AA QUALITY" CHEMICAL PRODUCTS

Monocalcium Phosphate	Ammonium Carbonate	Sulphuric Acid
Dicalcium Phosphate	Bone Black Pigments	Gelatin
Disodium Phosphate	Animal Charcoal	Phosphorus
Trisodium Phosphate	Sod. Acid Pyro Phosphate	Phosphoric Acid

The AMERICAN AGRICULTURAL CHEMICAL Co.

P. O. Box 2458 — Detroit, Mich.

33 Offices in Principal Cities in U. S., Cuba and Canada

THE AMERICAN AGRICULTURAL CHEMICAL COMPANY — AA QUALITY

Established 1880

WM. S. GRAY & CO.

342 MADISON AVENUE
NEW YORK

Cable Address: Greylime

Phone: MUrray Hill 2-3100

Methyl Acetone

RECEIVED FEB 17 1941

USE THIS COUPON for Free Sample of

SWANSDOWN BRAND
PRECIPITATED CALCIUM CARBONATE

Check here ☐ if you want full specifications and prices

SHIP TO_____

ADDRESS_____

ATTENTION OF_____

DIAMOND ALKALI COMPANY
PURE CALCIUM PRODUCTS DIV. - BOX 407 - PAINESVILLE, OHIO

"Standard"

Bichromate of Soda
Bichromate of Potash
Chromate of Soda
Chromate of Potash
Ammonium Bichromate

Make
"STANDARD" BICHROMATES
your standard

PRIOR CHEMICAL CORPORATION - NEW YORK
420 LEXINGTON AVENUE

Selling Agents for
STANDARD CHROMATE DIVISION
Diamond Alkali Company, Painesville, O.

ANALYZED REAGENTS Baker's FINE CHEMICALS

Baker's
fine chemicals

Unique control methods assure Baker customers of chemicals to specification. Write for free testing samples.

J. T. BAKER CHEMICAL CO.
PHILLIPSBURG, N. J.

NEW YORK	PHILADELPHIA	CHICAGO
420 Lexington Avenue	220 South 16th Street	435 North Michigan Avenue

20 MULE TEAM BORAX

Guaranteed 99½% to 100% Pure

BORAX
BORIC ACID

Refined and U. S. P.

» Crystal » Granulated » Powdered » Impalpable »
» Calcined Borax Glass » Manganese Borate » Anhydrous Ammonium Borate

Samples on request

PACIFIC COAST BORAX COMPANY
Dept. Q
51 Madison Avenue, New York
CHICAGO ILLINOIS

these Amines { ETHYLENEDIAMINE; DIETHYLENETRIAMINE; TRIETHYLENETETRAMINE; TETRAETHYLENEPENTAMINE; HYDROXYETHYL ETHYLENEDIAMINE

now available at Lower Prices

Available in much larger quantities and at much lower prices than heretofore, these compounds continue to find new applications in the rubber, textile, pharmaceutical and other industries. Each contains a plurality of amine groups which can be reacted with fatty acids, sulfur compounds, and chlor-derivatives to form useful dyestuffs, powerful surface-active chemicals, and other numerous industrially important chemicals. Further information will gladly be sent upon request.

ETHYLENEDIAMINE

$NH_2CH_2CH_2NH_2$

—a highly hygroscopic liquid employed in various organic syntheses. It is useful in solubilizing water-insoluble products. By reason of its dibasic nature, it is valuable for neutralizing the acidity of oils, preparing casein and shellac solutions, stabilizing rubber latex, inhibiting corrosion, or controlling alkalinity. It can also be used to remove acids, aldehydes, and sulfur compounds in the purification of turpentine and oils.

DIETHYLENETRIAMINE

$NH_2CH_2CH_2NHCH_2CH_2NH_2$

TRIETHYLENETETRAMINE

$NH_2(CH_2CH_2NH)_2CH_2CH_2NH_2$

TETRAETHYLENEPENTAMINE

$NH_2(CH_2CH_2NH)_3CH_2CH_2NH_2$

—These polyethyleneamines are hygroscopic, somewhat viscous, water-soluble liquids which are alkaline, high-boiling solvents for sulfur, acid gases, resins, and dyestuffs. They will react with acidic materials, such as fatty acids, to form soaps which may be dehydrated to amides. Because of their high absorptive capacity for water vapor and acid gases, they may be used in gas purification and dehydration. They offer unusual possibilities in the syntheses of other products.

HYDROXYETHYL ETHYLENEDIAMINE

$NH_2CH_2CH_2NHCH_2CH_2OH$

—This water-soluble compound embodies the chemical reactivity of alcohols as well as that of primary and secondary amines. For this reason, it undergoes many reactions, yielding derivatives of interest in a wide variety of industrial applications. Manufacturers of dyestuffs, pharmaceuticals, textile specialties, flotation agents, resins, insecticides, and rubber products will find in this amine an unusually desirable combination of properties which make it a valuable raw material.

For information concerning the use of these chemicals, address:

CARBIDE AND CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation

30 East 42nd Street UCC New York, N. Y.

PRODUCERS OF SYNTHETIC ORGANIC CHEMICALS

Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Member: Audit Bureau of Circulations

RECEIVED FEB 17 1941 LIBRARY

Volume 139 **February 17, 1941** **Number 7**

Patents Conscription Advocated by Arnold

OPD Washington Bureau
February 12, 1941

Authorization of use or condemnation by the government of patents deemed necessary to defense will be recommended to Congress within the next few weeks, said Thurman Arnold, Assistant Attorney-General, in conference with the Temporary National Economic Committee, which he is advising and assisting in preparation of its final report.

Mr. Arnold also repeated his desire for legislation to elminate the use of patents contrary to the policy of the antitrust laws. The recommendations, originally made sometime ago, are that patent owners should not impose restrictions on buyers; that sale or assignment of patent rights should be recorded and filed; that the use of infringement suits as weapons of business aggression should be prevented; and that violators of the laws should forfeit their patent rights.

Lack of funds for the Department of Justice, Mr. Arnold said, is delay-

—Continued on page 30

Magnesite Companies Plead Not Guilty to Trust Charges

Five corporations and seven individuals entered pleas of not guilty in Federal court here last week to an indictment alleging conspiracy to restrain production and importation and to control the pricing of magnesite bricks and dead-burned magnesite. Judge Coxe set the trial date of March 18. Three Austrian companies named in the indictment did not enter pleas.

Magnesium Priority Directed by OPM

OPD Washington Bureau
February 13, 1941

Official moves to prevent shortages of metals for defense purposes were taken this week by the Office of Production Management and the Advisory Commission to the Council of National Defense.

The Priorities Division of OPM has directed all producers of magnesium that for the next ninety days defense orders must be filled to the exclusion of all other demands.

Earlier in the week the Metals Priority Committee recommended that zinc producers cooperate to facilitate the prompt flow of zinc into brass used for the manufacture of cartridges and that industrial users of zinc be urged to curtail the use of zinc for nondefense purposes.

The Division of Production has secured release to defense contractors of part of the government's reserve stock pile of tungsten in order to relieve a temporary shortage in spot supplies.

The Price Stabilization Division of the defense commission has asked users of aluminum not to hoard aluminum scrapt, but to turn it back to melting works, and has also suggested that users of aluminum and magnesium study the possibility of substituting plastics or other material for these metals in many uses.

Paint Federation Advisory Group to Meet March 1

The mid-Winter meeting of the advisory and executive committees of the Federation of the Paint and Varnish Production Clubs will be held in Cleveland March 1.

Fertilizer Industry Indicted For Illegal Price Control

Winston-Salem, N. C.,
February 10, 1941

The long-threatening antitrust suit in the fertilizer industry came to a head today with the handing up in the local District Court of the United States of an indictment against the two major trade associations of the industry, sixty-four corporations producing and distributing mixed fertilizers, and thirty-six individuals executively connected with the defendant corporations.

The indictment charges the defendants with conspiring to fix uniform prices of mixed fertilizer and to suppress competition in such goods for a period of more than ten years. It alleges that the National Fertilizer Association, with a membership of more than three hundred companies, including defendant companies, is the instrumentality through which many of the details of the conspiracy have been carried out.

The indictment alleges that the interests of more than two million farmers using fertilizer are affected by the practices charged and that the defendant companies control more than 75 percent of the annual distribution of fertilizer in the United States, amounting to gross sales of approximately $200,000,000 annually. It alleges that more than 50 percent of the total annual production of fertilizer in the United States is consumed in six Southern States principally on tobacco, corn, and cotton crops.

Principal Defendants

The indictment names the National Fertilizer Association, Washington, and Superphosphate Association, Charleston. Among the defendant corporations the following are the largest:—American Agricultural Chemical Company, New York; Armour & Co. and Armour Fertilizer Works, Chicago; Baugh & Sons Company, Baltimore; Davison Chemical Corporation, Baltimore; International Agricultural Corporation, New York; F. S. Royster Guano Company, Norfolk, Va.; Swift & Company, Chicago; Virginia-Carolina Chemical Corporation, Richmond.

Other defendant corporations include the following:—

Acme Fertilizer Company, Anderson Fertilizer Company, Consolidated Rendering Company, Cotton States Fertilizer Company, Empire State Chemical Company, Etiwen Fertilizer Company, Federal Chemical Company, Georgia Fertil-

—Continued on page 57

Dr. Doisy Wins Willard Gibbs Medal

Chicago, Feb. 9, 1941

The Willard Gibbs Medal, one of the highest distinctions in chemical science, has been awarded for 1941 by the Chicago section of the American Chemical Society to Dr. Edward A. Doisy of the St. Louis University School of Medicine, who first isolated pure vitamin K, the blood clotting principle.

Dr. E. A. Doisy

The citation eulogizes Dr. Doisy, professor of biochemistry at the school for the past eighteen years, for his

—Continued on page 30

New Solvents as Factors In Industrial Chemical Progress

By C. L. Gabriel
Commercial Solvents Corporation

(Continued from February 10 issue)

Influence of Acetone

Acetone produced by the butanol fermentation was considered the material of lesser importance when the butanol fermentation industry was started. About the middle of the decade 1920-1929 fermentation acetone entirely replaced that made from calcium acetate. In spite of this, increasing difficulty was being encountered in disposing of the acetone.

This situation was rapidly changed by the development of cellulose acetate fibers and plastics. There was really mutual assistance here, since the lower price of acetone enabled the price of cellulose acetate to be reduced, and as this occurred the demand for cellulose acetate and therefore acetone increased. It was not long before the quantity of acetone available from the butanol fermentation was insufficient to supply the needs of the country and, in this instance too, gases from petroleum cracking stills solved the problem. Plants were installed for the production of synthetic acetone, using propylene as the raw material. This gas is first converted into isopropyl alcohol, which is catalytically oxidized to acetone. Further reductions occurred in the price of this chemical, so that today it sells for approximately 6 cents per pound.

Acetone serves the cellulose acetate industry in two ways—as a solvent for dissolving the cellulose acetate and as a raw material for the production of relatively low-cost acetic anhydride. This anhydride is produced by heating acetone so that it breaks down into methane and ketene. The latter forms acetic anhydride directly when it is brought into contact with anhydrous acetic acid. The 1939 Tariff Commission report shows sales of about 100,000,000 pounds of this material. The production of acetate anhydride is given as 181,000,000 pounds, and undoubtedly a considerable portion of this was made from

—Continued on page 42

Steel Drum Export Curb Exempts Chemical Containers

OPD Washington Bureau
February 13, 1941

Proposed restrictions on the export of metal containers, filled or unfilled, scheduled to become effective February 15, have been modified by regulations issued today by the Division of Control of the Department of State.

An executive order published February 6 imposed export licenses on the shipment of oil well and refining machinery and a long list of iron and steel products including "metal drums and containers, filled or unfilled, for oil, gas, and other liquids."

Collectors of customs have now been notified that licenses will not be required for the exportation of:—

(1) Metal containers of less than 5 gallons capacity.

(2) Metal drums and containers with capacity of 5 or more gallons, but less than 30 gallons, except those containing, or clearly intended to contain, gasoline, lubricating oil, or crude oil.

(3) Metal drums and containers regardless of size containing "chemicals and related products" as classified in schedule B of the publication, "Statistical Classification of Domestic Commodities Exported from the United States," issued by the Department of Commerce.

It is understood that one purpose of requiring licenses for the exportation of oil well and refining machinery and of metal containers of or for petroleum products is to place a check on exports of these materials to Japan and Russia, particularly ordinary gasoline and lubricating oil which are not subject to the restrictions on exportation of aviation gasoline and lubricating oil.

TAPPI to Discuss Research Progress

Technical Association of the Pulp and Paper Industry will hold its annual meeting in the Roosevelt hotel, this city, February 17-20. Among the papers to be presented are:—

"Status of the Lignin Problem," by Harold Hibbert.

"Use of Sveen Glue and Its Effect on the Water in the Paper Mill," by R. Tutt, jr.

"Chemical Coagulants for Water Treatment," by L. B. Miller.

"Use of Rubberized Equipment for Resistance to Corrosion," by J. F. Amlicke.

"Determination of Cellulose in Wood by the Use of Ethanolamine," by Philip Bloom and E. C. Jahn.

"The Relation of the Chemical Composition of Filler Pulps and the Color of White Urea Formaldehyde Plastics," by Harry F. Lewis and George W. Ingle.

"The Colloidal Differentiation of Starches," by Harold H. Houtz.

"An Investigation of the Colloidal Behavior of Soap-Starch Systems with Special Reference to Viscosity Effects and Starch Differentiation," by Alfred M. Heald.

"Prosize and Certain Aspects of Rosin Sizing," by H. J. Hotz, T. T. Collins, and H. L. Davis.

"The Trend in Resins," by J. F. Maguire and J. G. Rote.

"The Use of Urea Formaldehyde Resins for Wet Strength Paper Production," by Philip B. Taft.

"Stabelite Resin—A Hydrogenated Rosin for Sizing," by J. H. Long and A. C. Dreshfield.

"Polyvinyl Alcohol," by G. L. Schwartz and P. J. Carlisle.

Closing Markets

Tartar Products Advanced

Quotations on tartar products were advanced last Friday to cover the steadily rising cost of production. Tartaric acid rose 6c. per pound; cream of tartar, 5c.; Rochelle salt, 4c.; and Seidlitz mixture, 3c. Furthermore, quotations on tartar emetic were upped 3c. Minimum prices follow:—Tartaric acid, 57½c. per pound; cream of tartar, 47½c.; Rochelle salt, 36½c.; Seidlitz mixture, 28½c.; tartar emetic, technical, 42¾c.; U.S.P., 48c.

Tallow Sales Increase

Tallow was more active late last week, offerings being somewhat freer at the 5-cent level for extra. Total transactions for the week were estimated at 1,500,000 pounds. Grease was also more active, sales being put by some at about 750,000 pounds.

Cottonseed Oil Down

Refined cottonseed oil futures weakened on Friday under general selling based on a further decline in securities and other commodities. Foreign news also had a depressing influence. Final prices were the lowest of the week with May ending at 6.31c. and July 6.36c.

Non-Ferrous Metals Firm

Prices for non-ferrous metals held firm late in the week. Trading in copper slackened, and most business was confined to producer sources at 12c. per pound. Smelters sold little at 12½c.; inquiries confined to February and March. Outside market remained at 12¾c. per pound. Little business passed for export with prices ranging from 10⅜c. to 10½c. per pound. Zinc remained very tight, price held at 7¼c. per pound East St. Louis. Demand for lead was slower with price firm at recently established level of 5.65c. per pound. Domestic antimony was unchanged.

Straits Tin Higher

Straits tin continued its upward trend, advancing ⅜c. late in the week to close at 51c. Demand was good with much anxiety evident over the Far Eastern situation. A firmer tone prevailed in London and Far Eastern markets.

Tetrachloride of Tin Higher

Anhydrous tetrachloride of tin advanced ¼c. at 25¾c. to 26c. per pound. Other tin derivatives remain firm at recently established levels.

New Wrinkle Patent Suit Adjourned to March 3

Buffalo, N. Y., Feb. 13, 1941

Trial of the "wrinkle finish" patent infringement suit conducted in Federal court here by New Wrinkle, Inc., against John Fritz, resident salesman for the Pontiac Varnish Company, has been adjourned until March 3.

Testifying in behalf of the defendant, Dr. Albert L. Bunting, consulting and research chemist of Detroit and former professor of chemistry at the Detroit College of Pharmacy, declared the inventions in the so-called Root patents claimed to have been infringed were not new. Before the first Root patent was filed in May, 1927, he said, various technical publications had described similar methods of obtaining wrinkle finishes on painted material. Also, he declared, information contained in the Root patents was insufficient of itself to enable the making of the wrinkle finish.

Acetylene Assn. Calls Off 1941 Convention

The forty-first annual convention of the International Acetylene Association, scheduled for Cincinnati, April 2 to 4, has been indefinitely postponed. The action was taken because of growing demands upon engineering personnel in the industry and because of increasing feeling that technical and other manpower should be released for work more urgent under today's conditions.

Chemicals Used in Refining Of Petroleum Tabulated

Statistics on the principal chemicals consumed by the petroleum refining industry, according to the Census Bureau, show the following:—

	Tons	
	1939.	1937.
Soda ash	11,318	10,363
Sulphuric acid—		
Purchased	505,592 }	735,128
Produced in plant	*204,847 }	
Reclaimed and reused	*214,150	†262,611
Caustic soda, purchased	99,297	81,824
Fuller's earth	158,386	180,525

* Basis 50° Baume.
† As reported, no strength stated.

Chemical Prices Get Boost

Higher quotations on tartrates, tin derivatives, and lead oxides were the chief reasons why the average of prices was raised in the markets for heavy and fine chemicals last week. Phosphates of soda also were advanced. Other advances and the general measure of the halfdozen or so reductions were in less important places.

The aggregate volume of business was expanded in spite of the holiday. Defense business was an increasing item. General industrial demand presented no indication of slackening.

Prices were advanced on tartaric acid, cream of tartar, rochelle salt, seidlitz mixture, tartar emetic, Straits tin, stannous chloride, tin crystals, stannate of soda, phosphates of soda, acetate of alumina, lead, red lead, litharge, nicotine sulphate, denaturing grade methanol, dark gum rosins, Alleppy turmeric, and African Wattle bark.

Prices were reduced on nicotinic acid, alphatocopherol, domestic and Argentine casein, Chinese menthol, gum turpentine, medium gum rosins, annatto seed, domestic dried blood here, and cottonseed meal in the Southeast.

The REPORTER's composite index number of prices for heavy and fine chemicals was raised to its previous high level, 131.5 (100=average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 93.1, compared with 91.2 at this time last year and 88.9 in 1939.

Contents of This Issue

News and Statistics

Acetic Freights Lowered 36
Acetylene Assn. Cancels Meeting 4
Alloy Metallurgy Discussed 5
Bartlett & Snow Offers Colloid Mill 52
British Chemical Head Named 5
Balto. PVPC Hears McDonald 46
Columbia Gets Research Fund 52
Cadmium Output Up 52
Chemists to Discuss on Vacuum 29
Coaltar Solvent Leaflet Issued 36
Continental Can Names Johnston 30
'Calgon' Properties Described 35
Cottonseed Crushings Off 45
Coconut Products Trade Improves Improvement 44
C.D.I.C. Club Hears Krebs Representatives 41
Chicago Clubs See South American Film 41
Chlorine Plant for Australia 56
Chemicals Used in Oil Refining Shown 4
Calco Additions Shown 54
DuPont Export Sales Gained 58
Drug Wage Dissent Filed 4
'Drug Trust' Given Grand Jury 5
Doisy Wins Gibbs Medal 3
Dyestuff List Augmented 31
Doctors Disagree on Group Plans 5
Drug Production Men to Meet 5
Drug Firms Studied by SEC 26
Equipment Catalog Issued 36
Edwal Laboratories Wrecked 58
Effective Trade Associations Essential (Donovan) 5
Falk & Co. Agent for 'Castung' 40
FSA to Coordinate Health Agencies 5
Fertilizer Trade Indicted 3
Fur Dyeing Patents Reprinted 31
Finishing Agent Offered 31
Fertilizer Census Data Issued 58
Glass Container 'Trust' Trial Set 5
Givens Joins Bilhuber 50
Hopkins Promotes Two 52
Hooker Electrochemical Elects 36
'Indalone' Registered by U.S.I. 49
Linseed Statistics Released 45
Levis Made Chairman of Owens-Illinois 52
Military Camouflage Studied at Pratt Institute 41
Miller-Tydings Act Attacked 5
Magnesium Priorities Directed 3
McK. & R. Hearing Adjourned 5
Margarin Production: December 26
Magnesite Companies Deny 'Trust' Charges 3
M.M. & R. Appoints Redding 54
Metallic Soap Data Issued 42
Northwestern Club Considers ZnO .. 46
Non-Skid Floor Wax Study Reported 45
No Drug Shortage in U. K. 52
New Wrinkle Suit Adjourned 4
N. J. Standard Develops Cracking Process 4
National Oil to Open Cedartown Plant 31
Nitrogen Fertilizer Trust Denied 4
Naugatuck Co. Buys Riviera 54
Oils Foreign Trade: 1940 45
Olive Oil Ass'n to Dine 45
Oyster Nut Oil Studied 54
Paint Group Names Committees 30
Pitts. Club Discusses Infra-Red Rays 46
Plant Food Diseases Illustrated 58
Phila. Production Club Held 'Ladies Nite' 40
Paint Federation Advisory Group to Meet 3
Patents Conscription Advocated 3
P.C.P Starts Science Talks 4
Pharmacologists Wanted 26
Paint Firms Studied by SEC 26
Rosen Heads Shellac Importers 40
Resin Booklet Issued 42
St. Louis Production Club Meets 30
Southern States Coop. Sales Up 58
Soap Sales Off 45
Shellac Imports File Freight Petition 40
Schering to Pay Draftees 52
Salt Freights Reduced 36
Steel Barrel Output Off 33
Silicate Uses Discussed 36
Steel Drum Export Curb Exempts Chemicals 3
Solvents in Chemical Progress (Gabriel) 3
Sulfathiazole Contributions Asked ... 50
Soda Benzoate Laws Compiled 50
Toronto Club Foregoes Current Technical Study 41
TAPPI to Discuss Research 3
Technologists Wanted 35
U. S. Duty Not Affected by Argentine Pact 36
Vanadium Workers Strike 58
Vitamin Yeast Offered 26
Western N. Y. Paint Club Hears Engerud 60
Western Dry Color Elects Reed 60

General Features

Advertisers' Index 63
Bid Wanted 58
Chemical Prize Trends 4
Classified Advertisements 62
Closing Market Developments 4
Contracts Awarded ..... —
Corporation Earnings ..... —
Dividends Declared ..... —
Editorials 24
Foreign Trade Openings ..... —
Foreign Trade Rules 60
Industrial Uses of Chemicals 61
Obituaries 35
OPD Forum ..... —
Prices Current 7
Scientific, Professional Services ... 42
Trade News Briefs 29, 49, 55
What You Can Use 45
Where You Can Sell 61

Market Reports

Botanical Drugs, Spices, Gums ... 51
Coaltar Chemicals 34
Drugs and Fine Chemicals 47
Dyestuffs, Textile and Leather Chemicals 31
Essential Oils and Aromatics 53
Fertilizer Materials 57
Heavy Chemicals 27
Oils, Fats and Waxes 43
Paint, Varnish and Lacquer Materials 37
Petroleum Products 55

Shipping Information

Cargo Ship Arrivals ..... —
Charters ..... —
Coastwise Shipments 60
Exports 60
Imports 59
Imports Detained 60

Oil, Paint and Drug Reporter, Volume 139, No. 7, February 17, 1941. Published weekly by Oil, Paint, and Drug Publishing Company, Inc., 59 John Street, New York, U. S. A. Telephone: REctor 2-9820. Annual subscription prices:—United States and possessions, Cuba, Mexico, Central America, and South America, $5; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter January 15, 1884, at the Post Office at New York, N. Y., under the Act of March 3, 1879.

Nitrogen Fertilizer Monopoly Denied

E. I. du Pont de Nemours & Co., Wilmington, Del., Allied Chemical & Dye Corporation and the Barrett Company, both New York, and seven other corporations and thirty-three individuals today pleaded not guilty to charges of antitrust law violations in the nitrogen fertilizer industry. They have thirty days to file motions. Trial was set for April 14.

Drug Wage Dissent Filed by Employers

OPD Washington Bureau
February 11, 1941

Two of the six employer members of the committee on minimum wage for the drug and cosmetic industry have filed with the Wage and Hour Division of the Department of Labor dissents from the committee's recommendation of a minimum wage of 40 cents an hour. All six employer members declined to sign the committee's report.

Dissents have been filed by J. M. Buck, jr., of Plough, Inc., and P. F. Vallee, of Roger & Gallet. M. C. Eaton, of the Norwich Pharmacal Company, and E. H. Beardsley, of Miles Laboratories, have notified Administrator Philip B. Fleming that they do not concur in the dissenting report filed by Mr. Buck, in which the latter stated the following reasons for his dissent:—

1. The recommendation of the majority of the committee does not duly take into consideration economic and competitive conditions as contemplated by the fair labor standards act of 1938 (section 8).
2. The recommendation of the majority of the committee will have the effect of

—*Continued on page* 52

N.J. Standard Develops New Cracking Process

A new and highly flexible type of petroleum cracking known as the fluid catalyst process was announced today by W. S. Farish, president of Standard Oil Company of New Jersey and F. A. Howard, head of the Standard Oil Development Company. The new process, described as employing "a revolutionary catalytic technique," is regarded as a companion to hydrogenation and hydroforming. It is intended primarily for motor gasoline production. Patents on the process are 100 percent American-owned and will be available to the petroleum industry under a licensing arrangement.

Construction of three large commercial plants of the fluid catalytic type is now under way at the Bayway refinery of Standard Oil Company of New Jersey, at the Baton Rouge refinery of the Standard Oil Company of Louisiana, and at Baytown, Tex., where the Humble Oil & Refining Company is building a large unit. The Baton Rouge installation is expected to be in operation this year and the other two units will be completed somewhat later, depending on the effect of the national defense program on deliveries of construction material.

The new fluid catalyst process differs essentially from the existing intermittent type of catalytic crack-

—*Continued on page* 55

P.C.P. Begins Series Of Free Science Talks

Philadelphia, Feb. 12, 1941

The Philadelphia College of Pharmacy and Science today started its twentieth annual series of free non-technical science talks designed to attract the general public. Lectures will be held each Wednesday night at 8:30 for ten weeks. Among the topics to be discussed from February 19 until the last lecture are "Textiles from Test-tubes"; "The Sulfa-Miracle Drugs"; "Foods—Their Adulteration and Misbranding"; "Plant Blood—the Story of Chlorophyll"; "Your Health Is Good National Defense," and "'Vita' Means Life."

'Drug Trust' Charges To Grand Jury Feb. 19

OPD Washington Bureau
February 12, 1941

Charges of antitrust law violation in the distribution of drugs, medicine, and toilet preparations will be presented to a special grand jury to be impanelled by the United States District Court for the District of Columbia, February 19.

At least twenty-five and probably more witnesses have been subpenaed to appear before the grand jury which will sit for a month or perhaps six weeks. Department of Justice officials in charge of the investigation refuse to give any information as to the names of persons subpenaed or the type of information to be sought.

The drug investigation was begun

—*Continued on page* 50

Alloy Metallurgy Progress Told by Dr. Merica

OPD Washington Bureau
February 11, 1941

At the invitation of the Washington chapter of the American Society for Metals, Dr. Paul Dyer Merica inaugurated the annual George Kimball Burgess Memorial Award Lectures at the society's banquet held at the Carlton hotel here tonight.

In addressing the gathering on "Progress in Alloy Metallurgy," Dr. Merica emphasized the industrial importance today of the metallurgical work of Dr. Burgess at the Bureau of Standards, and discussed a number of paths of future progress in alloy metallurgy, both in the manufacture and fabrication of metallic materials, and in the development of new alloys with improved engineering properties.

Dr. Merica, who is vice-president of the International Nickel Company of Canada, Ltd., was associated with the late Dr. Burgess, former director of the National Bureau of Standards, in his early researches. Among the many honors bestowed upon Dr. Merica in recognition of his contributions to the fields of scientific and industrial metallurgy are the degrees of doctor of science conferred by DePauw University in 1934 and Lehigh University in 1938, the James Douglas Medal in 1929, and John Fritz Medal in 1938.

Glass Container Firms To Fight 'Trust' Charges

Toledo, Feb. 13, 1941

Twelve major glass container manufacturers, charged with violation of antitrust laws, will face trial March 3 in Federal court here. The court today ordered the postponement when one defendant company asked for time for its new attorney to prepare his case. Government counsel agreed to the postponement.

Today was the deadline for filing of a consent decree which would have ended the antitrust suits filed against the twelve companies and 102 individuals last year. The companies failed to agree among themselves on certain phases of the consent decree, however, and the government took quick action.

It was understood that unwillingness of the Hazel-Atlas Glass Company and the Corning Glass Works to place two important patents which they hold in the so-called institute plan specified in the consent decree was the cause of the impasse in negotiations among the companies.

Chemicals More Popular As Legislative Subjects

OPD Washington Bureau
February 13, 1941

More legislation pertaining to the chemical industry is pending in State legislatures at present than in any period in recent years, according to Warren N. Watson, secretary of the Manufacturing Chemists Association.

With some forty State legislatures in session this month, the M.C.A. state legislative service reports bills are pending on a wide variety of subjects, including proposals to impose additional regulation on poisons, fertilizers, narcotics, drugs, insecticides, alcohol, explosives, industrial health and safety, transportation of inflammables, and many related subjects.

Doctors Disagree On Group Medical Care

OPD Washington Bureau
February 13, 1941

Differing opinions of the value of plans to spread the burden of medical care were voiced in the second week of the government's trial of the American Medical Association, affiliated societies, and various doctors, on charges of violating the antitrust laws.

Some American Medical Association physicians were represented as believing that health insurance groups would have great social value, and that the association should cooperate if they remained solely financial organizations. Others were quoted as saying that the high standards of the medical profession might be destroyed by such groups.

The government's star witness thus

—*Continued on page* 50

British Chemical Control Chairman Is Appointed

London, Jan. 20, 1941

Sir Andrew Duncan, British Minister of Supply, has appointed F. W. Bain to be chairman of the Chemical Control Board. This will deal with questions relating to the control and development of supplies of the chemicals falling within the scope of the raw materials department of the Supply Ministry.

The board consists of the controllers of the various chemicals and of other persons whose services may from time to time be available for the consideration of particular problems with which they are concerned.

Sir Andrew has also appointed L. P. B. Merriam as Controller of Plastics and T. F. A. Board as Controller of Industrial Alcohol and Molasses. Mr. Bain has been associated with Imperial Chemical Industries since the combine's formation and was made a director about a year ago. Mr. Board is chairman of John Watucy & Co., a subsidiary of Booth's Distilleries. Mr. Merriam is managing director of B. X. Plastics and a director of the British Xylonite Company.

McK.&R. Hearing Adjourned

The taking of testimony concerning a plan of reorganization proposed for McKesson & Robbins, Inc., by William J. Wardall, trustee, ended in Federal court, this city, last week and proceedings were adjourned until February 20. The record of the hearings will not be sent to the Securities and Exchange Commission before that date.

FSA Sets Out to Coordinate Heath Medical Care Agencies

OPD Washington Bureau
February 11, 1941

Federal Security Administrator Paul V. McNutt has appointed an Interdepartmental Advisory Council, composed of officials of various Federal agencies working in the fields of health and welfare, to assist and advise him in coordinating all health, medical care, welfare, nutrition, recreation, and related activities affecting national defense.

Charles P. Taft, Cincinnati, has been appointed assistant coordinator of all health, medical care, welfare, nutrition, recreation, and related activities affecting national defense. Mr. McNutt said that Mr. Taft had consented to remain in Washington nine months. Following a conference with the administrator, Mr. Taft declared he was ready to start immediately on his new duties.

Mobilization Objectives

Mr. McNutt said three objectives are to be gained by the mobilization of all public and private health, medical, welfare, nutrition, and recreation resources to meet the needs of this emergency. They are:—

1. To afford social protection to individuals and communities suffering disproportionate economic, social, and health burdens as a result of military, naval and industrial defense activity.
2. To assist civilian agencies and individuals in making an effective contribution to the health, welfare, and morale of men engaged in the military and naval service.
3. To promote the health, security, and morale of the civilian population as an essential part of effective defense.

Mr. McNIutt said that the field staffs of various governmental agencies would play an important part in securing effective coordination of these programs. He explained he had established twelve Federal Regional Advisory Councils made up of the field representatives of all Federal agencies participating in these activities and that he had designated the twelve regional directors of the Social Security Board as Regional Defense Coordinators. These coordinators will act as chairmen of the Regional Advisory Councils and maintain the relationships in these fields with the State defense councils in their respective regions.

Mr. McNutt is setting up a small staff within his office to assist him and Mr. Taft to coordinate health and welfare and related defense activities.

—*Continued on page* 52

Miller-Tydings Act Attacked by Arnold

OPD Washington Bureau
February 13, 1941

Charging that the Miller-Tydings act permitted evasion of the antitrust laws, Assistant Attorney-General Thurman Arnold this week called for its repeal. Mr. Arnold told the Temporary National Economic Committee that the law does not serve the purposes intended by Congress, sanctions arrangements inconsistent with the antitrust laws, and becomes a cloak for many conspiracies in restraint of trade.

The Miller-Tydings amendment to the Sherman act, passed in 1937, grants a limited exemption from the antitrust laws to minimum resale price contracts applying to identified commodities resold in States permitting such contracts.

TNEC has been hearing suggestions for the final report it will soon present to Congress, and the repeal of the Miller-Tydings law was one of the recommendations which the Attorney-General asked that it make.

Competition Stifled

Mr. Arnold based his request on a memorandum prepared by Corwin Edwards, economic consultant to the antitrust division. The memorandum summarized the shortcomings of the law and the allegedly unfair practices it produced. Specifically pointing at retail drug organizations, Mr. Edwards charged that the Miller-Tydings amendment and the forty-four State "fair trade" laws were classic examples of the use of misrepresentation by pressure groups. Efforts were made, he claimed, to throttle public discussion and to intimidate business opposition to passage of the legislation.

The intent of the State laws was misrepresented to Congress, he said.

—*Continued on page* 49

Effective Association Functioning Essential to Private Enterprise

By John M. F. Donovan, Jr.
Trade Association Counselor

IV. The Necessity for Legal Guidance

(Continued from February 10 issue)

Regulation of Competition

Trade association members are interested in group cooperative efforts primarily to promote trade for themselves as individual manufacturers or distributors and for their respective communities. By cooperating together they hope to remove obstacles to economic efficiency and industrial stability which grow out of the unregulated and uncoordinated competitive production and distribution of goods. Through the establishment of business relationships through trade associations and business groups, members seek to encourage and foster intelligent and orderly competitive practices.

In the eyes of the law, such competitive practices fall within a twilight zone in which their legality is determined according to the intent and character of the cooperative action in the special circumstances of each case. In general, the following activities are representative of such trade association functions:—

(1) The operation of exchanges in the administration of which rules are adopted which are designed to regulate the routine involved in concluding market transactions as a means of expediting negotiations and facilitating settlements.

(2) The collection and dissemination of trade statistics through which the individual intelligence of those engaged in commerce is enlightened by accurate information as to the essential elements of the economics of a trade or business.

(3) The interchange of patent information and the use of reciprocal open licenses which result in a common utilization of technical knowledge by trade rivals within limits mutually agreed upon.

(4) The interchange of credit information which establishes an intimate knowledge concerning the conditions of the trade and the character of those who participate in it, which serves to eliminate unsound extension of credit terms in conformity with the adjustment of buyers and sellers to their real status as affected by changing economic conditions.

—*Continued on page* 56

Drug Production Men Set Two Meetings

The production committee of the American Pharmaceutical Manufacturers Association has arranged two meetings for the discussion of various manufacturing problems. The first meeting will be held in the Palmer House hotel, Chicago, February 28. It will be started at 10:00 a.m., and will be under the direction of W. B. Baker, of the Sutliff & Case Company, Peoria, chairman of the committee.

The following program will be followed:—

"Costs of Standard Formulas versus Special Runs," F. O. Burns, First Texas Chemical Manufacturing Company, Dallas.

"Normal and Enteric Coating of Tablets," Louis Fischer, Standard Chemical Company, Chicago.

"Production Economy (a) Batch-sizes Manufactured: (b) Classes of Overhead Labor," C. R. Flint, Flint, Eaton & Co., Decatur.

"Some Problems in the Manufacture of Ampul Medications," C. O. Miller, Lakeside Laboratories, Milwaukee.

"The Use of Specially Denatured Alcohol 23A and Isopropyl Alcohol in Percolation and the Processing of Liquids and Tablets," W. C. Ross, Central Pharmacal Company, Seymour, Ind.

"Lubricants in the Manufacture of Tablets," J. L. Russell, C. E. Jamieson & Co., Detroit.

"Profitable Personnel Relations," J. Schopflin, George A. Breon & Co., Kansas City, Mo.

Guest Speaker: Dr. Lynn A. Watt, of the Monsanto Chemical Company, whose topic will be announced later.

The second meeting, under the direction of the vice-chairman of the production committee, W. O. Brewer, of the Calco Chemical Division of the American Cyanamid Company, Bound

—*Continued on page* 50

MALLINCKRODT STEARATES

The Product and Grade You Need For Your Specific Purpose

Average Analysis of M. C. W. Stearates

METALLIC SOAPS	FORMULA	BULK	WATER SOLUBLE SALTS	METALLIC OXIDE	SOFTENING POINT	*FREE ACID	WATER	STANDARD CONTAINER
	Approximate	Fl. Oz./lb.	%	%	Approximate °C	%	%	
Aluminum Stearate Technical M (mono-acid)	$AlSt(OH)_2$	56-62	1-2	15.5-16.5	170	3-6	0.8-1.2	50# box
Aluminum Stearate Technical D (di-acid)	$AlSt_2(OH)$	56-62	0.5-1.0	8.0-8.5	157	4-9	0.3-0.7	50# box
Aluminum Stearate Technical T (tri-acid)	$AlSt_3$	56-78	0.5-1.0	6.0-6.5	115	24-28	0.5-1.0	50# box
Calcium Stearate Impalp. Powd.	$CaSt_2$	120-160	0.2-0.5	abt. 9	146	0.5-3	0.1-0.9	50# box
Calcium Stearate Technical	$CaSt_2$	32-36	0.2-0.5	abt. 9	125	1-2	0.5-1.5	50# bbl.
Zinc Stearate U.S.P. XI	$ZnSt_2$	155-160	1.0	13-15.5	118	1.5-2.5	0.5-1	50# box
Zinc Stearate U.S.P. XI "S"	$ZnSt_2$	155-160	1.0	13-15.5	120	1.5-2.5	0.5-1	50# box

*Determined by hot extraction

Also available **– Magnesium Stearate Purified Impalpable Powder, Flatting Agent No. 22, Sodium Stearate Technical.**

Bottle or Barrel ... Mallinckrodt Spells Quality

The scientifically standardized Mallinckrodt Stearates meet practically every common need in regard to bulk and chemical and physical characteristics. Inquiries on special problems pertaining to stearates are gladly answered.

MALLINCKRODT CHEMICAL WORKS

2nd & MALLINCKRODT STS. ST. LOUIS, MO. — 70-74 GOLD STREET NEW YORK, N. Y.

CHICAGO PHILADELPHIA MONTREAL TORONTO

Come to the Annual Drug, Chemical and Allied Trade Section Dinner on March 13, 1941 at the Waldorf-Astoria Hotel

Current Market Quotations

February 14, 1941

All matter under this heading fully protected by copyright

RECEIVED FEB 17 1941 LIBRARY

When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, arabic).

Acetal, dms., dlvd. lb. .75 - 1.00

Acetaldehyde, 99%, dms., 55 & 110 gls., works lb. .11 - —

5 & 10 gls., works lb. .14 - —

Acetamide, CP, kgs., 5,000 lbs. a year, works lb. .36 - —

200-lb. lots, works lb. .38 - —

100-lb. lots, works lb. .55 - —

5 to 50-lb. lots, works lb. .70 - —

tech., kgs., 5,000 lbs. a year, works lb. .28 - —

200-lb. lots, works lb. .30 - —

100-lb. lots, works lb. .45 - —

5 to 50-lb. lots, works lb. .50 - —

Acetanilide, tech., cryst., bbls. lb. .29 - .31

powd., bbls. lb. .27 - .29

USP, cryst., bbls., 2,000-lb. lots, lb. .32 - —

smaller lots lb. .33 - —

dms., 25-lb. lots lb. .38 - —

kgs., 2,000-lb. lots lb. .33 - —

smaller lots lb. .34 - —

powd., bbls., 2,000-lb. lots lb. .30 - —

smaller lots lb. .31 - —

dms., 25-lb. lots lb. .36 - —

kgs., 2,000-lb. lots lb. .31 - —

smaller lots lb. .32 - —

Acetoacetanilide, dms lb. .47 - .65

Acetone, CP, dms., c.l., dlvd. lb. .07½- —

l.c.l., dlvd lb. .08 - —

tanks, dlvd lb. .06 - —

Methyl (see M).

Acetophenone, bots lb. 1.60 - —

cns., 25 to 50 lbs lb. 1.30 - 1.35

dms., 100 lbs lb. 1.27 - —

Acetophenetidin, bbls., kgs., 1,000 lbs. lb. 1.00 - —

50 lbs lb. 1.02 - —

25 lbs lb. 1.05 - —

Acid, abietic, dms., c.l., f.o.b. all points in U. S. E. of and including Kans., Neb., N. D., Okla., S. D., Tex. E. of Austin and Brownsville lb. .08¾- —

l.c.l., same terms lb. .09 - .12

Acetic, com'l or redist., 28%, bbls. 100 lbs. 2.23 - 2.48

cbys., cs. 100 lbs. 2.73 - 2.98

56%, bbls. 100 lbs. 4.15 - 4.40

cbys., cs. 100 lbs. 4.65 - 4.90

70%, bbls. 100 lbs. 5.17 - 5.42

cbys., cs. 100 lbs. 5.67 - 5.92

80%, bbls. 100 lbs. 5.89 - 6.14

cbys., cs. 100 lbs. 6.39 - 6.64

glacial, nat., CP, cbys. 100 lbs. 14.00 - —

99.5%, bbls. 100 lbs. 7.62 - 7.87

l.c.l., same terms lb. .09 - —

cbys. 100 lbs. 8.12 - 8.37

tanks 100 lbs. 5.00 - 5.50

USP, bbls. 100 lbs. 10.25 -10.50

cbys. 100 lbs. 10.75 -11.00

synth., 99.5%, al. dms. 100 lbs. 8.43 - 8.68

tanks 100 lbs. 5.50 - —

USP XI, al. dms. 100 lbs. 10.25 -11.00

C.P., dms. 100 lbs. 13.50 -14.00

pure, 30%, bbls. 100 lbs. 3.28 - 3.53

cbys., cs. 100 lbs. 3.78 - 4.03

36%, bbls. 100 lbs. 3.66 - 3.91

cbys., cs. 100 lbs. 4.16 - 4.41

60%, bbls. 100 lbs. 6.15 - 6.40

cbys., cs. 100 lbs. 6.65 - 6.90

80%, bbls. 100 lbs. 7.68 - 7.93

cbys., cs. 100 lbs. 8.18 - 8.43

Acetic acid price differentials above are for c.l. and l.c.l. quantities; the prices apply dlvd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., s.l., frt. alld. lb. .10½- .11½

l.c.l., dms., frt. alld lb. .12 - .13

Acetylsalicylic, special, USP, fine cryst., gran., 200-lb. bbls. lb. .45 - —

standard, USP, fine cryst., gran., 20 or 40 mesh, 200-lb. bbls. lb. .40 - —

powd., 80 mesh, 200-lb. bbls. lb. .40 - —

Adipic, fib. dms., works lb. .31 - —

Anthranilic, refd., bbls lb. 1.15 - 1.20

tech., bbls lb. .75 - —

Arsenous, tech. (see Arsenic, White).

USP, powd., dms., kegs lb. .20 - .22

Ascorbic, bots., dms oz. 2.00 - 2.05

Battery, cbys., c.l., E. works. 100 lbs. 1.60 - —

l.c.l., 25 or more, E. works. 100 lbs. 1.85 - —

10-25, E. works 100 lbs. 1.95 - —

1-9, E. works 100 lbs. 2.55 - —

Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —

1,000 to 3,900 lbs lb. .44 - —

900 lbs or less lb. .47 - —

USP, bbls., 4,000 lbs. or more, lb. .54 - —

1,000 to 3,900 lbs lb. .55 - —

900 lbs. or less lb. .58 - .59

dms., 4,000 lbs. or more lb. .55 - .56

1,000 to 3,900 lbs lb. .56 - .57

900 lbs or less lb. .59 - .60

Boric, tech., 99.5%, gran., bulk, frt. alld. ton. 93.50 - —

bgs., c.l., frt. alld. ton. 96.60 - —

ton lots, ex whse. ton. 108.00 - —

less than ton lots, ex whse. ton. 113.00 - —

bbls., c.l., frt. alld. ton. 106.00 - —

ton lots, ex whse. ton. 118.00 - —

less than ton lots, ex whse. ton. 123.00 - —

powd., bgs., c.l., frt. alld. ton. 101.00 - —

ton lots, ex whse. ton. 113.00 - —

less than ton lots, ex whse. ton. 118.00 - —

bbls., c.l., frt. alld. ton. 111.00 - —

ton lots, ex whse. ton. 123.00 - —

Acid, boric, tech., 99.5%, powd., bbls., less than ton lots, ex whse. ton. 128.00 - —

USP, $25 per ton higher.

Butyric, 99%, dms., c.l., S. Charleston, W. Va. lb. .22 - —

l.c.l., same basis lb. .23 - —

tanks, same basis lb. .21 - —

Broenner's bbls lb. 1.11 - —

Camphoric, cns lb. 7.00 - —

Capric, dms lb. .12 - .13

Caproic, dms., works lb. .30 - .35

Carbolic (see Phenol).

Caprylic, dms lb. .17½- —

Castor oil, split, dms lb. .14½- .15½

Chlorosulphonic, d m s., c.l., works lb. .03½0- —

5-drum lots, works lb. .04 - —

single drum lb. .05 - —

tanks, works lb. .03 - —

Chromic, 99%, dms., c.l., dlvd. N.Y. lb. .15¼- —

l.c.l., 5 tons, dlvd., N.Y., lb. .15¾- —

smaller quantities, dlvd., N.Y. lb. .16¼- .17¼

Cinnamic, refd., bots lb. 2.85 - 3.25

Citric, cryst., gran., bbls., car lots lb. .20 - —

10,000-lb. lots, one shipt. lb. .20½- —

smaller lots lb. .21 - —

anhydr., gran., dms., 10,000 lbs., 1 shipt. lb. .23 - —

smaller lots lb. .23½- —

Citric acid quotations on powder are ½c. higher than on granular. Keg packing is ½c. higher than barrels. Prices are f.o.b. N.Y. Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls lb. .57 - —

Coconut oil, dms lb. .10¼- .10¾

Cottonseed oil, dist., dms lb. .07¼- .07¾

tanks lb. .06¾- —

Cresylic (coaltar) high-boil 50%, 210°-215°, dms., c.l., works, frt. equald. gal. .68 - —

l.c.l., same basis gal. .70 - —

special blends (50%, 210°-215°), dms., c.l., works, frt. equald. gal. .71 - —

l.c.l., same basis gal. .73 - —

low-boil (50%, 204°-206°), dms., c.l., works, frt. equald. gal. .68 - —

l.c.l., same basis gal. .70 - —

special blends (50%, 204°-206°), dms., c.l., works, frt. equald. gal. .71 - —

l.c.l., same basis gal. .73 - —

imported, pale, dms gal. .63 - .65

Cresylic (petroleum), high-boil (240°-300°), non-return dms., c.l., works, East. U. S. gal. .43 - —

l.c.l., same basis gal. .44 - .45

tanks, dlvd., East. U.S. gal. .389 - —

medium-boil (222°-249°), non-return dms., c.l., works, East. U.S. gal. .49 - —

l.c.l., same basis gal. .50 - .51

tanks, dlvd. East. U.S. gal. .448 - —

Cretonic, 40 bbls. or more, dlvd. lb. .21 - —

smaller lots, dlvd lb. .26 - —

smaller containers, dlvd lb. .50 - —

Diethylbarbituric (see Barbital).

Formic, dom., 90%, cbys., c.l., works. lb. .10½- —

l.c.l., 25 cbys. and over. lb. .11 - —

1-24 cbys. lb. .11½- —

Fumaric, bbls., 1-ton delivery. lb. .24 - —

smaller lots lb. .25 - .28

Gallic, tech., bbls lb. .90 - .93

N.F. VI, bbls., 200 lbs., 5 or more lb. 1.07 - —

single bbls lb. 1.10 - —

fib. dms., 25 lbs lb. 1.16 - —

Gamma, bbls lb. .85 - —

Gluconic, tech., 50%, bbls., 500 lbs. lb. .12 - —

100-lb. kgs lb. .15 - —

25 or 50-lb. demijns lb. .21 - .23

5-lb. bots lb. .29 - —

H, bbls lb. .43 - —

Hydriodic, 45-47%, cbys lb. 2.42 - —

5-lb. bots lb. 2.63 - —

57%, bots lb. 2.90 - —

Hydrobromic, 10% dilute, cby. lb. .20 - —

concentrated, 34%, cby lb. .35 - —

Hydrochloric (see Muriatic).

Hydrocyanic, cyls., works lb. .80 - 1.00

Hydrofluoric, 30%, bbls lb. .06 - .06½

rubber, dms lb. .08 - .08½

48%, lead, cbys lb. .12 - —

rubber, dms lb. .11 - —

52%, lead, cbys lb. .13 - —

rubber, dms lb. .12 - —

60%, lead cbys lb. .14 - —

rubber, dms lb. .13 - —

Hydrofluosilic, 30-35%, 420 lbs., bbls. lb. .09 - .09¼

Hypophosphorus, USP, 30%, djns lb. .75 - .80

Lactic, tech., dark, 22%, bbls., c.l., works. 100 lbs. 2.50 - —

l.c.l., works 100 lbs. 2.75 - —

cbys., works 100 lbs. 3.75 - —

44%, bbls., c.l., works, 100 lbs. 5.50 - —

l.c.l., bbls., works, 100 lbs. 5.75 - —

cbys., works 100 lbs. 6.75 - —

light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —

l.c.l., works 100 lbs. 3.75 - —

cbys., works 100 lbs. 4.75 - —

44%, bbls., c.l., works, 100 lbs. 6.50 - —

l.c.l., works 100 lbs. 6.75 - —

cbys., works 100 lbs. 7.75 - —

50%, edible, 20 or more, cbys. lb. .10½- .11½

5 to 19, cbys lb. .11 - .12

1 to 4 cbys lb. .11½- .12½

Acid, lactic, plastic grade, bbls., cbys., 20 or more lb. .12½- .13½

5 to 10, cbys lb. .12¾- .13¾

1 to 4, cbys lb. .13¼- .14½

80%, bbls., cbys., 5 or more lb. .21 - .22

1 to 4, cbys lb. .21½- .22½

USP, XI, 85%, cbys lb. .42 - .45

USP, VIII, 75%, cbys lb. .40 - .43

Lauric, dist., tech., dms lb. .12 - .12¾

Laurent's, bbls lb. .45 - —

Linseed oil, light, dms lb. .12¾- .13¼

Maleic, powd., dms lb. .30 - —

anhydride, dms., c.l. lb. .25 - —

l.c.l. lb. .26 - —

Malic, powd., kegs lb. .47 - —

Mandelic, bots lb. 2.30 - —

dms., 1,000 lbs lb. 2.05 - —

smaller lots lb. 2.10 - 2.15

Mixed, tanks, nitric unit lb. .05 - .06

sulphuric unit lb. .0085- .009

Molybdic, kegs, works lb. .95 - 1.10

Monochloracetic, tech., bbls lb. .15 - .18

Monosulphonic, bbls lb. 1.50 - —

Muriatic, 18°, cbys, c.l., E. works. 100 lbs. 1.50 - —

l.c.l., 25 and over, E. works. 100 lbs. 1.75 - —

10 to 24, works. 100 lbs. 1.85 - —

1 to 9, works. 100 lbs. 2.45 - —

tanks, works 100 lbs. 1.05 - —

20°, cbys., c.l., E. works. 100 lbs. 1.75 - —

l.c.l., 25 and over, works. 100 lbs. 2.00 - —

10 to 24, works. 100 lbs. 2.10 - —

1 to 9, works. 100 lbs. 2.70 - —

tanks, works 100 lbs. 1.15 - —

22°, cbys., c.l., E. works. 100 lbs. 2.25 - —

l.c.l., 25 and over, works. 100 lbs. 2.50 - —

10 to 24, works. 100 lbs. 2.60 - —

1 to 9, works. 100 lbs. 3.20 - —

tanks, works 100 lbs. 1.65 - —

C.P., dealers, cbys lb. .06½- —

6-lb. bots lb. .17½- —

consumers, cbys lb. .06 - —

6-lb. bots lb. .19 - —

Myristic, dist., dms lb. .16 - .16½

Naphthenic, dom., acidity 160, dms., c.l., works lb. .06½ Nom.

l.c.l., works lb. .07 Nom.

tanks, works lb. .06 Nom.

220 min. acidity, dms., c.l., works. lb. .09 Nom.

l.c.l., works lb. .09½ Nom.

tanks, c.l., works lb. .08 Nom.

240 min., acidity, dms., c.l., works. lb. .10 Nom.

l.c.l., works lb. .10½ Nom.

tanks, works lb. No prices

Nicotinic, 100-lb. cns lb. 7.15 - —

50 lb. cns lb. 7.25 - —

25-lb. cns lb. 7.30 - —

5-lb. bots lb. 7.46 - —

1-lb. bots lb. 7.50 - —

Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —

l.c.l., 25 and over, E. works. 100 lbs. 5.25 - —

10 to 24, works. 100 lbs. 5.35 - —

1 to 9, works. 100 lbs. 5.95 - —

38°, cbys., c.l., E. works. 100 lbs. 5.50 - —

Western works. 100 lbs. 5.75 - —

l.c.l., 25 and over, E. works. 100 lbs. 5.75 - —

10 to 24, works. 100 lbs. 5.85 - —

1 to 9, works. 100 lbs. 6.45 - —

40°, cbys., c.l., E. works, 100 lbs. 6.00 - —

l.c.l., 25 and over, E. works. 100 lbs. 6.25 - —

10 to 24, works. 100 lbs. 6.35 - —

1 to 9, works. 100 lbs. 6.95 - —

42°, cbys., c.l., E. works, 100 lbs. 6.50 - —

l.c.l., 25 and over, works, 100 lbs. 6.75 - —

10 to 24, works. 100 lbs. 6.85 - —

1 to 9, works. 100 lbs. 7.45 - —

C.P., USP, dealers, cbys. lb. .11½- —

7-lb. bots lb. .21½- —

consumers, cbys lb. .18 - —

7-lb. bots lb. .23 - —

Oleum (see sulphuric fuming).

Oxalic, dom., bbls., c.l., works, lb. .10¾- —

10,000 lbs. and over lb. .11 - —

smaller quantities lb. .12 - .14

Palmitic, bgs., works lb. .09¾- .10¼

Palm oil, white, dist., dms lb. .06¾- .07¼

tanks lb. .06¼- —

Phenylacetic, bots lb. 1.50 - 1.95

Phosphoric, ortho, tech., 50%, cbys. lb. .06 - —

75%, cbys lb. .07½- —

USP, 85%, s. g. 1.710, cbys., 180 lbs. lb. .12 - —

50%, s. g. 1.347, cbys., 70 lbs. lb. .12 - —

dms., 25 lbs lb. .15 - —

10%, dilut., cbys., djns lb. .07 - .07½

Picramic, kgs lb. .65 - .70

Picric, bbls lb. .35 - —

Propionic synth., pure, 55-gal. dms., returnable, works lb. .14 - —

tanks, works lb. .11 - —

Pyrogallic, tech., lump, powd., bbls. lb. 1.20 - —

cns. lb. 1.25 - —

USP, cryst., cns lb. 1.70 - —

resubl., cns lb. 2.20 - —

Pyroligenous, bbls., dlvd. E.gal. .25 - —

Ricinoleic, com'l, split (see Acid, castor oil, split). tech., dms., c.l., works lb. .27 - —

l.c.l., works lb. .28 - .33

Salicylic, tech., bbls lb. .33 - —

USP, bbls lb. .35 - .40

Sebasic, CP, bbls., works lb. No prices

tech., bbls., works lb. No prices

Soybean oil, dist., dms. .08¼- .08¾

Stearic, dist., double pressed, bgs., dlvd. lb. .10 - .11

single pressed, bgs., dlvd. lb. .09¼- .10½

triple pressed, bgs., dlvd. lb. .12¾- .13¾

saponif., double pressed, bgs., dlvd. lb. .10¼- .11¼

triple pressed, bgs., dlvd. lb. .13 - .14

Acacia—Alcohol

Acid, succinic, bbls. lb. .75 - —

Sulphanilic, CP, bots., works. lb. 1.60 - 1.65

tech., dms., works lb. .17 - —

Sulphonaphthenic, dms lb. .04 - .10

Sulphuric, 60°, cbys., c.l., E. works. 100 lbs. 1.25 - —

l.c.l., 25 and over, works, 100 lbs. 1.50 - —

10 to 24, works. 100 lbs. 1.60 - —

1 to 9, works. 100 lbs. 2.20 - —

tanks, E. works ton. 13.00 - —

66°, cbys., c.l., E. works, 100 lbs. 1.50 - —

l.c.l., 25 and over, works, 100 lbs. 1.75 - —

10 to 24, works. 100 lbs. 1.85 - —

1 to 9, works. 100 lbs. 2.45 - —

tanks, E, works ton. 16.50 - —

98°, tanks, works ton. 17.50 - —

CP, USP, dealers, cbys lb. .06½- —

9-lb. bots lb. .15¼- —

consumers, cbys lb. .08 - —

9-lb. bots lb. .17 - —

fuming, 20%, tanks, E. works, ton. 18.50 - —

Tannic, tech., bbls., dms. lb. .54 - .56

USP, fluffy, bbls., 1,000-lb. lots lb. .98 - —

100-lb. lots lb. 1.00 - —

25-lb. lots lb. 1.03 - —

powd., bbls., 1,000 lbs lb. .88 - —

smaller lots lb. .90 - —

Tartaric, USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment lb. .57½- —

smaller quantities lb. .58 - —

kgs. lb. .58½- —

Tobias, bbls lb. .55 - .60

Trichloroacetic, bots lb. 2.00 - 2.50

Tungstic, CP, kgs., works lb. No prices

Chem. grade, kgs., works lb. No prices

Aconite, leaves, bls lb. .38 - .42

Root, bls lb. .45 - .50

Aconitine, amorph., bots oz. 23.00 - —

vls. gr. 1.00 - —

cryst., bots oz. 42.00 - —

vls. gr. 1.60 - —

Acrylonitrile, dms., c.l. lb. .34½- —

5,000 lbs. or more lb. .35 - —

1 ton to 4,999 lbs lb. .35½- —

1 dm. to 1 ton lb. .36 - —

tank cars lb. .34 - —

Adeps lanae, anhyd., dms lb. .19 - .20

hyd., dms lb. .17 - .18

Agar, 1, bls lb. 1.40 - 1.45

3, bls lb. No prices

Agaric, white, bls lb. No stocks

Albumen, blood, dark, flake, bags, f.o.b. Chicago, frt. alld. lb. .13 - —

powd., grade A, same basis, ton lots lb. .15 - —

smaller lots, same basis lb. .18 - —

light, dom., flake, dms., f.o.b. Chicago, frt. alld. lb. .55 - .62

import, bgs lb. No prices

Egg, ed., dom., cryst., bbls. lb. .65 - .68

powd., dms., bbls lb. .70 - .75

import, cs. lb. .76 - .79

Alcohol, amyl (see also Fusel oil, refd.), ex pentane, dms., c.l., frt. alld. lb. .121 - —

l.c.l., frt. alld lb. .131 - —

tanks, frt. alld lb. .111 - —

normal, dms., l.c.l., wks lb. .25 - —

Tertiary, refd., dms., l.c.l., frt. alld. lb. .99 - —

Benzyl, cns lb. .68 - —

drums lb. .63 - —

Butyl, normal, cns., works lb. .14½- .16¼

dms., c.l., frt. alld lb. .10 - —

l.c.l., frt. alld lb. .10¾- —

tanks, frt. alld lb. .09 - —

tankwagon, frt. alld lb. .09¾- —

secondary, dms., c.l., frt. paid E. of Miss. R. lb. .08¼- —

l.c.l., same terms lb. .08¾- —

tanks, same terms lb. .07¼- —

tertiary, denaturing, c.l., dms. lb. .12¼- —

l.c.l., dms lb. .13 - —

tanks lb. .11½- —

Capryl, pure, dms., works lb. 2.50 - —

tech., dms., works lb. .85 - —

Cetyl, dom., CP, fiber ctns., 1,000 lbs. lb. 1.50 - —

500 lbs lb. 1.70 - —

100 lbs lb. 1.80 - —

25 lbs lb. 1.90 - —

5 lbs lb. 2.00 - —

com'l, dms lb. .95 - —

Cinnamic, bots lb. 2.00 - 2.50

Denatured, CD14, dms., c.l., works, E. gal. .32½- —

l.c.l., works, dms gal. .37½- —

tanks, E., works gal. .26¼- —

Prices for territories other than E. of Rockies are 4c. per gal. in tanks, and 5c. per gal. in dms., higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1 190 pf., bbls., c.l., E. works. gal. .31½- —

19 bbls., E. works gal. .33¼- —

1 to 18 bbls., E. works, gal. .36¼- —

dms., c.l., E. works gal. .30¼- —

19 dms., E. works gal. .32¼- —

1 to 18 dms. gal. .35¼- —

tanks, E. works gal. .24¼- —

Anhydrous 5c. per gal. higher.

SD2B, dms., c.l., works, E. gal. .28½- —

19 dms., works, E. gal. .30½- —

1 to 18 dms., works, E. gal. .33¼- —

tanks, E. works gal. .23½- —

Alcohol—Bismuth Salts

Alcohol, denatured, 3D23G, works. E., c.l., dms..gal. .34½- —
19 dms.....gal. .33½- —
1 to 18 dms.....gal. .33½- —
tanks .....gal. .28½- —
Prices for territories other than E. of Rockies are 4c. per gal., in tanks, and 5c. per gal., in drums, higher.
Special solvent, dms., c.l., works..gal. .31½- —
20 dms., to c.l.....gal. .33½- —
1 to 19 dms.....gal. .36½- —
tanks, E. works.....gal. .25½- —
Tankcar sales require written authorization by Alcohol Tax Unit.
Diacetone, acetone-free, dms., c.l., divd..lb. .10½- —
l.c.l., divd.....lb. .11 - —
tanks, divd.....lb. .09½- —
tech., dms., c.l., divd.....lb. .10 - —
l.c.l., divd.....lb. .10½- —
tanks, divd.....lb. .09 - —
Ethyl, 190 pf., ex. molasses, dms., c.l.....gal. 6.00½- —
19 dms.....gal. 6.04 - —
5 to 18 dms.....gal. 6.07 - —
1 to 4 dms.....gal. 6.07 - —
tanks .....gal. 5.94½- —
absolute, dms., c.l.....gal. 6.35½- —
19 dms.....gal. 6.39 - —
5 to 18 dms.....gal. 6.42 - —
1 to 4 dms.....gal. 6.42 - —
Ethyl alcohol in bbls. 1c. higher than dms.
Grain alcohol 25c. gal. higher.
Ethylhexyl, dms., c.l., works..lb. .24 - —
l.c.l., same basis.....lb. .25 - —
tanks, same basis.....lb. .28 - —
Furfuryl, tech., cns., works..lb. .35 - —
dms., c.l., 33,000 lbs., works, lb. .20 - —
l.c.l., 500 lbs. and more, works..lb. .26 - —
Isoamyl, primary, dms., l.c.l., divd..lb. .27 - —
cans, works.....lb. .32 - —
Isobutyl, refd., dms., works..lb. .0790- —
tanks, same terms.....lb. .0690- —
Isopropyl, refd., 91% dms., 5 gals., f.o.b. dest.....gal. .06½- —
55 gals., c.l., same basis, gal. .35 - —
l.c.l., same basis...gal. .40 - —
tanks, frt. alld.....gal. .30 - —
99% dms., 5 gals., same basis..gal. .65 - —
55 gals., c.l., same basis, gal. .33 - .42
l.c.l., same basis...gal. .43 - .47
tanks, same basis.....gal. .33 - .37
Methyl (see Methanol).
Phenylethyl, bots., cns.....lb. 2.30 - 2.35
Polyvinyl, type A, fiber-pack, 2,000 lbs. and over, f.o.b. cars, Niagara Falls..lb. .65 - —
less than 2,000 lbs.....lb. .70 - —
type B, fiber-pack, 2,000 lbs. and over, same basis..lb. .60 - —
less than 2,000 lbs.....lb. .65 - —
Propyl, normal, dms., works, gal. .70 - —
Octyl (see ethylhexyl alcohol).
Tetrahydrofurfuryl, dms., contract, f.o.b. Waverly, N. Y..lb. .44 - —
450-lb. lots, same basis..lb. .50 - —
cns., f.o.b., Cedar Rapids, Ia. lb. .55 - —
Aldehol, denat., grade, dms., tanks, works..gal. .70 - .73
Aldehyde bisulphite, bbls., divd., lb. .17 - —
smaller containers.....lb. .20 - —
Aldol, 95%, 55 and 110 gal. dms., c.l., works..lb. .11 - —
l.c.l., works.....lb. .12 - —
5 and 10 gal. dms., works, lb. .15 - —
Alstria root, bgs.....lb. .39 - .40
Altsarin (see Red, altsarin).
Alkanet root, bgs.....lb. .67 - .69
Aloe, Cape, cs.....lb. .18 - .19
Curacao, cs.....lb. .53 - .54
gourds, bbls.....lb. .80 - .85
Socotrine, kgs.....lb. .42 - .45
Aloin, 140-lb. bbls.....lb. 3.25 - 3.60
100-lb. kgs.....lb. 3.27 - —
25-lb. fib. dms.....lb. 3.34 - 3.64
Alphanaphthol, bbls.....lb. .52 - —
Alphanaphthylamine, bbls.....lb. .32 - —
Althea root, U&P, cube cut, bbls., lb. .90 Nom.
Alum, ammonia, burnt, USP, bbls., kgs..lb. .16 - .18
gran., bbls., works...100 lbs. 2.50 - —
dlvd. N.Y., Phil...100 lbs. 2.50 - —
lump, bbls., works.....100 lbs. 2.75 - —
dlvd. N.Y., Phil...100 lbs. 2.75 - —
powd., bbls., works....100 lbs. 2.90 - —
dlvd. N.Y., Phil...100 lbs. 2.90 - —
Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlantic, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point, dlvd. N.Y. price apply to truck or ex warehouse.
Potash, gran., bbls., works.... 100 lbs. 3.75 - —
dlvd. N. Y., Phila...100 lbs. 3.75 - —
lump, bbls., works....100 lbs. 4.00 - —
dlvd. N.Y., Phila...100 lbs. 4.00 - —
powd., bbls., works....100 lbs. 4.15 - —
dlvd. N.Y., Phila...100 lbs. 4.15 - —
Potash alum prices on same basis as those for ammonia alum.
Potash, chrome, bbls.....lb. No price
Soda, bbls., c.l., works...100 lbs. 2.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, tech., basic, powd., insoluble, bbls., 10 or more, dlvd...lb. .35 - —
1 to 9, dlvd.....lb. .40 - —
smaller containers...lb. .50 - —
soluble, bbls., dlvd....lb. .33 - —
smaller containers, dlvd. lb. .45 - —
solut., 24%, bbls., c.l., dlvd...lb. .07½- —
l.c.l., 10 or over, dlvd lb. .08¼- —
1 to 9, dlvd.....lb. .0863- —
normal, pwd., bbls., dlvd. lb. .33 - —
smaller containers, dlvd. lb. .35 - —
solut., 20%, bbls., c.l., dlvd...lb. .03 - —
l.c.l., 10 or over, dlvd. lb. .03½- —
1 to 9, dlvd.....lb. .09 - —
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .06 - —
12,000 to 40,000 lbs., works, lb. .09 - —
1,100 to 11,000 lbs., works, lb. .10 - —
140 to 875 lbs., works.lb. .11 - —
100 lbs. or less, works.lb. .12 - —
Alumina, chloride, cryst., com'l, dms, c.l., works..lb. .06 - —
l.c.l., works.....lb. .06½- .06¾
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., works.....lb. .03¼- —
Formate, 30% solut., bbls., c.l., divd..lb. .12 - —
l.c.l., divd.....lb. .15 - —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
l.c.l., bbls., works.....lb. .03½- —
bgs., c.l., works.....lb. .0260- —
light, bgs., c.l., divd.....lb. .12 - —
l.c.l., bgs., divd.....lb. .12½- —
bbls., c.l., divd.....lb. .12½- —
l.c.l., bbls., divd.....lb. .13 - —
Oleate, dms., contract.....lb. .17½- —
open order.....lb. .17½- .20
Palmitate, precip., bbls.....lb. .20½- .21½
Resinate, precip., dms., divd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .18 - —
l.c.l.....lb. .19 - —
Sulphate, com'l, bgs., c.l., works, frt. equaled..100 lbs. 1.15 - —
l.c.l., works, frt. equald.. 100 lbs. 1.40 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., works, frt. equaled. 100 lbs. 1.60 - —
iron free, bgs., c.l., works, 100 lbs. 1.60 - —
l.c.l., works.....100 lbs. 1.85 - —
bbls., c.l., works....100 lbs. 1.80 - —
l.c.l., works.....100 lbs. 2.05 - —
Aluminum, 98-99%, c.l.....lb. .17 - —
l.c.l.....lb. .18 - —
paste, lining, extra fine, dms., 1,500 lbs..lb. .60¼- —
ink, dms., 1,500 lbs.....lb. .70½- —
standard, dms., 1,500 lbs..lb. .87½- —
powder, lining, extra fine, dms., 1,500 lbs..lb. .91 - —
standard, dms., 1,500 lbs..lb. .87 - —
litho, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs...lb. .37 - —
standard, dms., 1,500 lbs.lb. .30 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .42 - —
extra fine, dms., 1,500 lbs..lb. .44 - —
lining, dms., 1,500 lbs...lb. .37 - —
standard, dms., 1,500 lbs.lb. .30 - —
rubber compound, dms., 1,500 lbs..lb. .38 - —
unpolished, dms., 1,500 lbs. lb. .36 - —
varnish, extra brilliant, dms., 1,500 lbs..lb. .41 - —
extra fine, dms., 1,500 lbs.lb. .43 - —
standard, dms., 1,500 lbs..lb. .38 - —
Aluminum paste and powder prices are 5c. per lb. higher for less than 200 lbs.; 2c. per lb. higher for 200-400 lbs.; and 1c. per lb. higher for 400-1,500 lbs.; for containers smaller than drums, prices are 1c. per lb. higher for 100 lbs.; 1½c. per lb. higher for 50 lbs.; 3c. per lb. higher for 10 lbs.; 5c. per lb. higher for 2 lbs.; 8c. per lb. higher for 1 lb.; and 12c. per lb. for ¼ lb.; on single shipments of 5,000 lbs. prices are 1c. per lb. lower; for 30,000 lbs. prices are 2c. per lb. lower. Transportation allowed East of Mississippi.
Ambergris, gray, tins.....oz.15.00 -25.00
Aminomethylpropanol, dms., works..lb. .50 - —
5 and 10-gal. cans, works..lb. .50 - —
Aminopyrine, 100-lb. dms.....lb. 4.00 - —
5-lb. bots.....lb. 4.22 - 4.26
Ammonia, acetate, bbls., kgs., divd..lb. .27 - .32
dms., divd.....lb. .28 - .36
Aldehyde, dms., works.....lb. .65 - .70
Anhydrous, fertilizer, f.o.b. Belle, W. Va., frt. equal with Hopewell, Va.....ton.90.00 - —
refrigeration, tanks, works, lb. .05 - —
pure, cycls., divd., met. N.Y., lb. .10 - —
Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.
Aqua, 26°, cbys.....lb. .06¼- —
dms., c.l.....lb. .02¼- —
l.c.l.....lb. .02½- —
tanks (on NH_3 content), f.o.b. works.....lb. .04 - —
Benzoate, dms., kgs., 4,000 lbs. or more..lb. .40 - —
1,000 lbs. to 3,900 lbs....lb. .41 - —
900 lbs., or less.....lb. .42 - —
Bicarbonate, dms., divd., Met. N.Y..lb. .0564- .0614
Bichromate, bbls.....lb. .30 - .32
Bifluoride, bbls.....lb. .14½- .16½
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .31 - —
bxs.....lb. .34 - .35
kegs.....lb. .32 - —
Carbonate, lump, dms., divd., Met. N.Y..lb. .03¼- .09¼
cns., same basis.....lb. .14¼- —
powdered, 1c. per lb. higher.
Chloride, tech., (see Ammoniac, salt).
USP, gran., 225-lb. bbls....lb. .12 - .18
100-lb. kgs.....lb. .15 - —
Citrate, 250-lb. bbls.....lb. .75 - —
100-lb. dms.....lb. .80 - —
50-lb. dms.....lb. .82 - —
25-lb. dms.....lb. .84 - .85
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, dms.....lb. 1.25 - 1.27
jars.....lb. 1.35 - —
Iodide, 5-lb. bots.....lb. 3.71 - —
jars.....lb. 3.63 - —
Linoleate, 80%, anhyd., bbls., lb. .12 - —
Molybdate, kgs., wks.....lb. 1.05 - 1.20
Nitrate, tech., bgs., works, 100 lbs. 4.35 - —
bbls., works.....100 lbs. 4.55 - —
Oleate, dms.....lb. .14 - —
Oxalate, neutral, powd., bbls., kgs..lb. .19 - .25
pure gran.....lb. .32 - —
Perchlorate, kgs.....lb. No stocks
Persulphate, kgs., dom.....lb. .21 - .22
Phosphate, dibasic, N.F.V., bls., kgs.....lb. .37 - —
tech., bbls., c.l.....lb. .39 - —
l.c.l.....lb. .07½- —
monobasic, crude (fert. grade), 11% N 48% phos., bulk, f.o.b. E. works.. unit-ton. 1.55 & .79
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07¼- —
l.c.l.....lb. .08¾- .09¼
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Silicofluoride, bbls.....lb. .11½- .15
Stearate, anhydrous.....lb. .34½- —
paste.....lb. .06½- —
Sulphate, dom., bulk, c.l., contr., f.o.b. cars, ports, Jan.-June shipt..ton.29.00 - —
spot, same basis.....ton.30.00 - —
Ammonia sulphate prices are $1 per ton less than above prices f.o.b. cars nearest inland producing oven.
Sulphide, liquid, 40-42°, basis, 100%, dms., c.l., works...lb. .07½- —
l.c.l., divd.....lb. .15 - —
tanks, divd.....lb. .07½- —
Ammonia, sulphide, red, 45% cbys., works..lb. .06 - —
dms., works.....lb. .06 - —
yellow, 35%, cbys., works..lb. .05 - —
dms., works.....lb. .06 - —
Sulphocyanide, pure, 99-100%, kgs..lb. .65 - —
tech., kgs.....lb. .40 - —
Ammoniac, gum (see Gum, ammoniac).
Amsl, gray, dom., bbls., c.l. 100 lbs. 5.50 - 5.75
l.c.l.....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., c.l., works..100 lbs. 4.45 - —
l.c.l., same basis...100 lbs. 5.15 - —
import, cake.....100 lbs. No prices
Amyl acetate, ex fusel oil, tech., dms., c.l., divd..lb. .11¼- —
l.c.l., divd.....lb. .12 - —
tanks, divd.....lb. .10¼- —
cns., works.....lb. .16 - .18
ex Pentane, dms., c.l., frt. alld..lb. .115 - —
l.c.l., frt. alld.....lb. .125 - —
tanks, frt. alld.....lb. .10¼- —
Alcohol (see Alcohol amyl).
Butyrate, dms., 50 gal., returnable..lb. .75 - —
Caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .0565- —
l.c.l., works.....lb. .0665- —
tanks, works.....lb. .0465- —
Nitrite, bots.....lb. 1.80 - 1.85
Mercaptan, dms., l.c.l., works, lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .32 - —
Salicylate, 5 lbs., bots.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works...lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.10 - 1.15
Angelica root, dom., bls.....lb. .35 - .40
import., natural, bls.....lb. 1.75 - 1.80
twisted, bls.....lb. 1.95 - 2.00
Angostura bark, bls.....lb. .30 - .32
Anilin oil, dms.....lb. .15 - —
l.c.l.....lb. .16 - —
tanks.....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Bulgarian, bgs.....lb. .23 - .23½
Cyprus, bgs.....lb. .23½- .24
Mexican, bgs.....lb. .22¼- .22¾
Star.....lb. .21½- .22
Anisic aldehyde, bots.....lb. 2.85 - 2.90
Annatto paste, bxs.....lb. .34 - .38
seed, bgs.....lb. .06 - .06½
Anthracene, 80-85%, bbls., wks., lb. .55 - —
90%, bbls., wks.....lb. .65 - —
Anthraquinone, 99.5%, subl., bbls., lb. .65 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14 Nom.
Needle, brown, Bolivian, 67%, lb. .16 - —
Chinese, black, 70%.....lb. .26 Nom.
Oxide, bgs., c.l., divd.....lb. .12 - .13
l.c.l., divd.....lb. .13½- .14½
Salt, 62%, dms.....lb. .28 - —
bbls.....lb. .30 - —
White pigment, bgs.....lb. .11½- .14½
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz.23.20 -23.70
Archil extract, con., bbls.....lb. No prices
double, bbls.....lb. No prices
triple, bbls.....lb. No prices
Areca nuts, powd., bbls.....lb. .11 - .12
Arsecoline hydrobromide, bots.os. 5.25 - 6.10
Argols, test 70% to 85%, basis 100%, 100 kgm., purity, 100 kilos. No prices
Arnica flowers, bls.....lb. 3.50 - 3.75
Root, bls.....lb. 1.25 Nom.
Arrowroot, St. Vincent, powd. bgs..lb. .09 - .09¼
bbls.....lb. .09½- .10
Arsenic, metal, lump, cs.....lb. No prices
Chloride (arsenous), cns.....lb. 4.85 - —
Iodide (arsenous), 5-lb. bots..lb. 5.58 - —
jars.....lb. 5.43 - —
Red, import, cs.....lb. No prices
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .06½- —
l.c.l.....lb. .04¾- —
Asafetida, cs.....lb. .36 - .37
powd., bbls., bxs.....lb. .54 - .55
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l., (20 tons), Canad. mines..ton.42.50 - —
5R, bgs., c.l. (20 tons), Canad. mines..ton.40.00 - —
6D, bgs., c.l. (30 tons) Canad. mines..ton.30.00 - —
7D, bgs., c.l. (30 tons), Canad. mines..ton.26.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.24.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.20.00 - —
7K, bgs., c.l. (30 tons), Canad. mines..ton.17.50 - —
7M, bgs., c.l., (30 tons), Canad. mines..ton.15.00 - —
Asphaltum, Manjak No. 10, crude, tons, f.o.b. plant.....lb. .04¼- —
smaller lots, f.o.b. plant, lb. .05½- —
process form, bgs., 20 tons, f.o.b. plant..lb. .05 - —
smaller lots, f.o.b. plant, lb. .06 - —
California, dms., c.l., f.o.b. N.Y..ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N.Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y...ton.85.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l., f.o.b. N.Y., lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points..ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.32.90 - —
l.c.l., f.o.b. N. J. or N. Y., whse..ton.58.00 - —
jet, bgs., c.l., Western shipping points..ton.30.50 - —
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum, cut-back, bbls., l.c.l., E. cst., refinery..gal. .12 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery...ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans, refinery...gal. .06 - —
Atropine, bots.....oz. 5 - 5.50
Sulphate, bots.....oz. 5.45 - 6.50

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .55 - .60
Tree bark, bls.....lb. No Price
Barbital, cs.....lb. 2.50 - 2.60
sodium, cs.....lb. 2.75 - —
Barium carbonate, natural, 90% thru 200 mesh, bgs., c.l., works..ton.43.00 - —
precip., bgs., c.l., works..ton.45.00 - —
l.c.l., works.....ton.50.00 - —
bbls., c.l., works.....ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Sulphur-free, c.l., works..ton.50.00 - —
l.c.l., works.....ton.55.00 - —
Chlorate, kgs.....lb. .45 Nom.
Chloride, CP., cryst., bbls....lb. .25 - —
tech., dom., cryst., bgs., c.l., Zone 1, dlvd., New England States, N. Y., N. J., Pa., Md., Va., Ohio, Mich., Ind., Wisc., Ill., Ky., and principal cities on west bank of Miss., north of Miss., north of Ark. line .....ton.77.00 - —
bbls., same basis..ton.79.00 - —
l.c.l., bgs., same basis ton.90.00 - —
bbls., same basis...ton.92.00 - —
Zone 2, bgs., c.l., dlvd., Tenn., N.-S. Carolina, Ga., Ala., Miss., Fla., ton.81.00 - —
bbls., same basis...ton.83.00 - —
l.c.l., bgs., same basis, ton.94.00 - —
bbls., same basis...ton.96.00 - —
Zone 3, bgs., c.l. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz. ton.87.00 - —
bbls., same basis...ton.89.00 - —
l.c.l., bgs., same basis, ton.100.00 - —
bbls., same basis...ton.102.00 - —
Zone 4, bgs., c.l. dlvd., Wash., Ore., Calif., Nev..ton.82.00 - —
bbls., same basis..ton.85.00 - —
l.c.l., bgs., same basis.ton.96.00 - —
bbls., same basis..ton.98.00 - —
Dioxide, dms., c.l., works..lb. .10 - —
l.c.l., same basis.....lb. .12 - .15
Fluoride, bbls.....lb. .18 Nom.
Hydrate (see Hydroxide).
Hydroxide, bbls., works.....lb. .06¼- .07
Iodide, bots.....lb. 4.17 - —
jars.....lb. 4.62 - —
Monoxide (see Oxide).
Nitrate, cks.....lb. .06¼- .10¼
Oxide, ungrd., dms., c.l., works, lb. .09 - —
l.c.l., same basis.....lb. .10 - .12
grd., dms., l.c.l., works....lb. .11 - .15
Peroxide (see Dioxide).
Silicofluoride, bbls.....lb. .12 - .16
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .06¼- .10
kgs.....lb. .18 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.25.15 - —
l.c.l., same basis.....ton.28.15 - —
paper bags, c.l., St. Louis, ton.22.85 - —
l.c.l., same basis.....ton.23.85 - —
ex whse., New York...ton.31.50 - —
Southern off color, bulk mines, ton.12.00 - —
95.75%, bulk mines.....ton.16.00 - —
ore, bulk, mines.....ton. 7.00 - —
Cuban, crude, c.l., c.i.f.....ton.11.00 - —
German, grd., bbls., c.l., dock, t.a...ton. No price
l.c.l., ex whse.....ton. No price
ungrd., bulk, c.l., ex dock..ton. No price
Italian, grd., bbls., c.l., ex dock, t.a...ton. No price
l.c.l., ex whse.....ton. No price
Bauxite, bulk mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves).
Bay rum, import, bbls.....lb. .32 - .90
Bayberry bark, bgs.....lb. .14 - .15
Belladonna leaves, bls.....lb. 1.75 - 1.80
Root, bls.....lb. 2.00 Nom.
Bentonite, 200 mesh bgs., Wyo., works..ton.11.00 - —
325 mesh, bgs., Wyo., works, ton.14.00 - —
Benzaldehyde, tech., cbys., dms., lb. .45 - .50
N.F. VI, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see Benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, dms., returnable, works..gal. .19 - —
tankcars, frt. alld. E. of Omaha, gal. .14 - —
W. Coast, f.o.b. Minneapa, Colo..gal. .14 - —
Benzoyl chloride, cbys.....lb. .28 - .30
Peroxide, pure, gran., fib. ctns., works..lb. 1.95 - —
Benzyl acetate, f.f.c., cans....lb. .49 - —
dms.....lb. .44 - —
Alcohol (see Alcohol benzyl).
Benzoate, a.m.s., f.f.c., cans..lb. .84 - —
dms.....lb. .80 - —
Chloride, 95.97%, refd., dms., lb. .19 - .21
Cinnamate, cns.....lb. 4.15 - 5.50
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.00 - 2.50
Berberine bisulphate, cns.....lb.16.75 -17.25
Hydrochloride, cns.....lb.16.75 -17.25
Sulphate, cns.....lb.16.75 -17.25
Berberis root, bls.....lb. .12 - .16
Betanaphthol, sublim., kgs..lb. .60 - —
tech., bbls., c.l., works....lb. .22 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs.....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .19 - .21
Bismuth chloride, 5-lb. bots...lb. 8.20 - 8.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars.....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.46 - —
cns.....lb. 3.35 - —
Metal, ton lots.....lb. 1.25 - —
Nitrate, cryst., 5-lb. bots...lb. 1.45 - —
cns.....lb. 1.30 - —
Oxychloride, 5-lb. bots....lb. 3.19 - —
cns., kgs.....lb. 3.10 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
fib. dms.....lb. 1.13 - —
Subcarbonate, bots., cns.....lb. 1.82 - 2.00
fib. dms.....lb. 1.72 - 1.76
X-ray, 5-lb. bots.....lb. 2.09 - —
fib. dms.....lb. 2.06 - —
Subgallate, bots., cns.....lb. 1.77 - 2.00
fib. dms.....lb. 1.68 - 1.71
Subiodide, cns.....lb. 4.91 - —
fib. dms.....lb. 3.98 - —
Subnitrate, powd., bots., cns.lb. 1.57 - 1.85
fib. dms.....lb. 1.46 - 1.51
Subsalicylate, 60-62%, bots...lb. 2.50 - —
bbls., fib. dms.....lb. 2.50 - —

ARE YOU MISSING ANY OF THIS *Valuable Information?*

DO YOU have on hand facts about the properties and uses of Dicyandiamide? Thiourea? Would you like concise, practical information on the many applications and special advantages of Tetra Sodium Pyrophosphate ...or the AEROSOL* Wetting Agents? Are you acquainted with the specialties, as well as the standard chemicals that Cyanamid supplies to your industry?

These booklets contain such information. They are designed for your convenience . . . to save you time, trouble and expense in ordering and using chemicals. You will find them valuable for many plant processing and laboratory purposes. They are yours for the asking. Simply check those you need in the coupon below and mail.

DICYANDIAMIDE and Guanidine Compounds — presenting interesting data on the properties, uses and reactions on this important product, which until recently has been available only in limited quantities at high costs.

THIOUREA — outlining the applications, chemical and physical properties of Thiourea, which is becoming more and more important as a chemical raw material.

AEROSOL WETTING AGENTS—covering the types available, their chemical composition, wetting and emulsifying powers, detergent properties, great range of applications and many other useful facts.

AERO BRAND TETRA SODIUM PYROPHOSPHATE** — giving the pH of dilute solutions in comparison with that of several common alkalies; information on its water softening properties, emulsification value and various uses.

INDUSTRIAL CHEMICALS — a complete list of all the specialties together with properties and uses as well as the standard and unusual chemicals produced or supplied by Cyanamid — listed alphabetically and by industries.

American Cyanamid & CHEMICAL CORPORATION

A Unit of American Cyanamid Company

30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

DISTRICT OFFICES: 89 Broad St., Boston, Mass.; 600 S. Delaware Ave., Philadelphia, Pa.; Russell & Bayard Sts., Baltimore, Md.; Wilkinson Boulevard, Charlotte, N. C.; 860 Leader Bldg., Cleveland, Ohio; 20 N. Wacker Dr., Chicago, Ill.; Miller Road, Kalamazoo, Mich.; 931 Fisher Bldg., Detroit, Mich.; 1721 Arcade Bldg., St. Louis, Mo.; Azusa, Cal.

*Trademark of American Cyanamid & Chemical Corporation applied to wetting agents of its own manufacture.

**Registered U. S. Patent Office.

AMERICAN CYANAMID & CHEMICAL CORPORATION
30 ROCKEFELLER PLAZA • NEW YORK, N. Y.

Gentlemen: Please send me the booklets I have checked below.

- Dicyandiamide and Guanidine Compounds
- Thiourea
- AEROSOL Wetting Agents
- AERO BRAND Tetra Sodium Pyrophosphate
- Industrial Chemicals

Name.....

Company.....

Street.....

City..... State.....

Bis. Sulphocarb.—China Clay

Bismuth, sulphocarbolate, 5-lb. bots..lb. 2.61 - —
5lb. dms.....lb. 2.50 - —
Trioxide, powd., 5-lb. bots....lb. 2.56 - —
cns.....lb. 2.45 - —
Bismuth-ammonia, citrate, USP, powd., 25-lb. dms..lb. 2.40 - —
5-lb. cns.....lb. 2.45 - 2.50
Black, acetylene, c.l., works, duty paid..lb. .14 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .17 - —
l.c.l., frt. alld. E.....lb. .17½ - —
3, bbls., bgs., c.l., frt. alld. E., lb. .10½ - —
l.c.l., frt. alld. E.....lb. .11 - —
4, bbls., c.l., frt. alld. E..lb. .09½ - —
l.c.l., frt. alld. E.....lb. .10 - —
5, bbls., bgs., c.l., frt. alld. E., lb. .08½ - —
l.c.l., frt. alld. E.....lb. .09 - —
6, bbls., bgs., c.l., frt .alld. E. lb. .06½ - —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E., lb. .10 - —
l.c.l., frt. alld. E.....lb. .10½ - —
8, bbls., bgs., c.l., frt. alld. E., lb. .11 - —
l.c.l., frt. alld. E.....lb. .11½ - —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, regular, uncompressed, bgs., c.l., f.o.b. plants..lb. .03075 - —
f.o.b. North Atlantic ports..lb. .03950 - —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .07025 - —
dlvd..lb. .07925 - —
beads, compressed, bgs., c.l., f.o.b. plants..lb. .02925 - —
f.o.b. North Atlantic ports..lb. .02925 - —
l.c.l., bgs. or cartons, f.o.b. whse..lb. .06525 - —
dlvd..lb. .06525 - —
bulk, cars, c.l., f.o.b. plants, lb. .02¾ - —
f.o.b. New York harbor..lb. .0363 - —
All carbon black prices are for delivery in February-March.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, pure, bbls., l.c.l., works..lb. .06½ - —
2, bbls., l.c.l., works.....lb. .06 - —
Ivory, genuine, bbls.....lb. .20 - —
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works.....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .15 - —
l.c.l., works.....lb. .16 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .35 - —
vine, A, bbls., works or N. Y., lb. .04½ - —
B, bbls., works or N. Y..lb. .05½ - —
works..lb. .13½ - .15½
dms., c.l., frt. alld.....lb. .09 - —
l.c.l., frt. alld.....lb. .09½ - —
Black dyes are listed under Dyes.
Black Haw, root bark, bls....lb. .40 - .45
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls..lb. .22 - .28
Blanc fixe, dry, by-product, bgs., c.l., works..ton.50.00 - —
l.c.l., works.....ton.62.50 - —
direct process, bgs., c.l., works, frt. equaled..ton.70.00 - —
l.c.l., same basis..ton.75.00 -90.00
pulp, 65%%, bbls., c.l., works, ton.35.00 - —
l.c.l., works.....ton.42.50 - —
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y., unit-ton. 2.55 - —
high-grade, gr., 16-17 ammon., bulk, f.o.b. Chicago, unit-ton. 3.00 - —
import, bgs., c.i.f. ports, ship..unit-ton. 2.50 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .11 - .12
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis, lb. .80 - .90
Alkali blue toner prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, contracts..lb. .33 - —
Celestial, bbls.....lb. .10 - .12
Chinese, bbls., same basis, contracts..lb. .33 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine).
Copper, phthalocyanin, bbls., f.o.b. works, frt. alld..lb. 2.50 - 2.75
Milori, bbls., same basis, contracts..lb. .33 - —
Molybdated, Victoria, same basis, contracts..lb. 3.15 - —
Peacock, concentrated, same basis, contracts..lb. .32 - —
regular, same basis, contracts, lb. .25 - —
Potash, dom., bbls., same basis, contracts..lb. .42 - —
Prussian, bbls., same basis, contracts..lb. .33 - —
Tungstated, peacock, bgs....lb. 3.75 - —
Victoria, bgs.....lb. 3.15 - —
Ultramarine, dry or pulp, cobalt grades, bbls., works, frt. equald..lb. .22 - .24
jobbing grades, bbls., same basis..lb. .11 - —
regular grades, bbls., same basis..lb. .16 - .27
Blue, ultramarine, dlvd., ex whse., is 1c. higher; Pac. Coast, ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls., 25-lb. boxes 2c. above bbls.
Victoria, ink toner, bbls., same basis, alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blue mass, USP, cns., tubs..lb. 1.67 - 1.84
powd., cns., dms.....lb. 1.60 - 1.82
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Bone, raw, dom., 4½% ammon., 50% phos., bgs., f.o.b. Chicago..ton.30.00 -32.00
import, bgs., c.i.f. ports..ton.32.00 -32.50
meal, steamed, dom., 2% ammon., 50% phos., bgs., f.o.b. Chicago..ton.33.00 -35.00
import, bgs., c.i.f. ports..ton.31.50 - —
Phosphate, recip. (see Calcium phosphate dibasic, precip.).
steamed, dom., 1¼% ammon., 60% phos., bgs., f.o.b. Chicago..ton.40.00 - —
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.37.50 - —
Boneset leaves, bls.....lb. .08½ - .09
Borage flowers, bls.....lb. .45 - .48
Borax, tech., 99½% gran., bulk, c.l., frt. alld..ton.40.50 - —
bgs., c.l., frt. alld.....ton.43.00 - —
ton lots, ex whse.....ton.54.00 - —
less than ton lots, ex whse..ton.59.00 - —
bbls., c.l., frt. alld.....ton.53.00 - —
ton lots, ex whse.....ton.64.00 - —
less than ton lots, ex whse..ton.69.00 - —
bgs., c.l., frt. alld.....ton.48.00 - —
ton lots, ex whse.....ton.59.00 - —
less than ton lots, ex whse..ton.64.00 - —
bbls., c.l., frt. alld.....ton.53.00 - —
ton lots, ex whse.....ton.69.00 - —
less than ton lots, ex whse..ton.74.00 - —
USP, $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .— - —
l.c.l., dealers, dms..lb. .11½ - —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. and over, no trucking or freight allowances for works or warehouse pick-ups.
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .25 - —
single pkg., same basis..lb. .30 - —
Bromoform, USP, 100-lb. lots, bots..lb. 1.50 - —
cbys.....lb. 1.42 - —
Bromostyrol.....lb. 3.50 - 3.75
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .60 - .65
moulding, cns., dms., over 10 lbs..lb. .80 - 1.00
printing ink, cns., dms., over 10 lbs..lb. .85 - 1.30
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtops, bls.....lb. .12 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y..lb. .11½ - —
Metallic, iron oxide, bbls., wks., lb. .02½ - —
paper bgs., c.l., works.....lb. .0210 - —
Sienna, burnt, American, bbls., f.o.b. works..lb. .06¼ - —
Italian, Group 1, bbls., f.o.b. N.Y. or Pa. points..lb. .13 - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½ - —
5, bbls., same basis....lb. .08½ - —
6, bbls., same basis....lb. .09 - —
7, bbls., same basis....lb. .09¾ - —
8, bbls., same basis....lb. .06½ - —
9, bbls., same basis....lb. .08 - —
10, bbls., same basis....lb. .08 - —
11, bbls., same basis....lb. .07½ - —
12, bbls., same basis....lb. .07 - —
13, bbls., same basis....lb. .06¾ - —
14, bbls., same basis....lb. .06¼ - —
raw, American, bbls., f.o.b. works..lb. .02½ - —
Italian, Group 1, bbls., f.o.b. N.Y. or works..lb. .13¼ - —
2, bbls., same basis....lb. .12 - —
3, bbls., same basis....lb. .12¼ - —
4, bbls., same basis....lb. .10¾ - —
5, bbls., same basis....lb. .10¼ - —
6, bbls., same basis....lb. .09¼ - —
7, bbls., same basis....lb. .09¼ - —
8, bbls., same basis....lb. .08 - —
9, bbls., same basis....lb. .07½ - —
10, bbls., same basis....lb. .06¾ - —
11, bbls., same basis....lb. .06¾ - —
Umber, American, bbls., works, lb. .03½ - —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Easton, Pa., N.Y.F..lb. .04½ - —
St. Louis.....lb. .05 - —
l.c.l., ex car Los Angeles, Portland, San Francisco, Seattle..lb. .05¼ - —
ex whse, Los Angeles, Portland, San Francisco, Seattle..lb. .05¾ - —
Boston.....lb. .04¾ - —
Chicago, Indianapolis, New Orleans..lb. .05¼ - —
Kansas City.....lb. .05¾ - —
Minneapolis.....lb. .0535 - —
Pittsburgh.....lb. .05 - —
Vandyke, bbls., l.c.l.....lb. No prices
Walnut crystals, bbls.....lb. .06½ - —
Brucine, 100 oz., cns.....oz. .15 - —
Sulphate, 100 oz., cns.....oz. .12 - —
Bryonia root, bls.....lb. .28 - .30
Buchu leaves, bls.....lb. .53 - .54
Buckthorn bark, true, bls.....lb. No prices
cut and sifted, bbls..lb. .35 - .90
Berries, bgs.....lb. .35 - .40
Burdock root, bls.....lb. .35 - .40
Burgundy pitch, dom., dms...lb. .06 - .06½
Butternut bark, bls.....lb. .07 - .08
Butyl acetate, norm., cns., wks., lb. .14½ - .16½
dms., c.l., frt. alld.....lb. .10 - —
l.c.l., frt. alld.....lb. .10½ - —
tanks, frt. alld.....lb. .09 - —
tankwagons, frt. alld...lb. .09½ - —
secondary, dms., c.l., frt. pd. E. of Miss. R..lb. .08¼ - —
dms., l.c.l., same terms..lb. .08¾ - —
tanks, same terms.....lb. .07¼ - —
Alcohol (see Alcohol):—
Aldehyde, dms., c.l, works...lb. .15½ - —
l.c.l., works.....lb. .16¼ - .17½
tanks, works.....lb. .14½ - —
Carbinol (see Carbinol).
Chloride, normal, dms., c.l., works..lb. .20 - —
l.c.l.....lb. .22 - —
Crotonate, normal, 55-gal. dms., dlvd..lb. .35 - —
5-gal. cns.....lb. .75 - —
1-gal. cns.....lb. 1.00 - —
Ether (see under Ether).
Lactate, dms.....lb. .28½ - —
Propionate, dms., dlvd.....lb. .16¼ - .17
tanks.....lb. .15½ - —
Stearate, dms.....lb. .23½ - —
Butyric ether, bots.....gal. 6.50 - 6.85
cns., works.....lb. .65 - .70
dms., frt. alld. Met. N. Y..lb. .60 - —
Butane, comL, 16-34° tanks, group 3..gal. .03¾ - .08

C

Cadmium, bromide, 25-lb. jars, 50 lbs. or more..lb. 1.56 - —
single jars.....lb. 1.61 - —
5-lb. bots.....lb. 1.75 - —
Cyanide, 25-lb. bots., dlvd...lb. 2.00 - —
25-lb. cks., dlvd.....lb. 3.50 - —
Iodide, 5-lb. bots.....lb. 4.19 - —
25-lb. cans.....lb. 4.06 - —
Lithopone (see Yellow).
Metal, pat., shapes, cs.....lb. .85 - —
ingots or sticks.....lb. .80 - —
Red (see Red).
Selenide (see Red).
Sulphite (see Yellow).
Caffeine, 10,000 lbs. or more, 100 lb. dms..lb. 2.69 - —
25 lb. dms.....lb. 2.63 - —
10 lb. cns.....lb. 2.65 - —
2,000 lbs. or more, 100-lb. dms..lb. 2.65 - —
25 lb. dms.....lb. 2.68 - —
10 lb. cns.....lb. 2.70 - —
1,000 lbs. or more, 100 lb. dms., lb. 2.70 - —
25 lb. dms.....lb. 2.73 - —
10 lb. dms.....lb. 2.75 - —
100 lbs. or more, 100-lb. dms.lb. 2.80 - —
25 lb. dms.....lb. 2.83 - —
10 lb. cns.....lb. 2.85 - —
less than 100 lbs., 10 lb. cns..lb. 3.15 - —
5 lb. cns.....lb. 3.10 - 3.25
Citrated, bots.....lb. 2.80 - 2.85
Hydrobromide, bots.....lb. 5.20 - 5.37
Calabar beans, bgs.....lb. .25 - .90
Calamus root, peeled, N. F., cs., lb. No prices
bleached, bls.....lb. 1.00 - 1.25
Calcium acetate, bgs., dlvd., 100 lbs. 1.90 - —
Arsenate, bgs., c.l.....lb. .06½ - —
l.c.l.....lb. .06¾ - —
Southern cotton states, dms., c.l..lb. .06 - —
l.c.l.....lb. .06¼ - —
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 90 lbs. or over; no frt. or truck allowances for plant or whse. pick-up.
Bromide, 100 lbs., works, frt. equaled..lb. .63 - —
50 lbs., works.....lb. .67 - —
25 lbs., works.....lb. .70 - —
Carbide, dms., c.l., dlvd.100 lbs. 4.75 - —
l.c.l., f.o.b. warehouse.100 lbs. 4.95 - —
Carbonate (see Chalk and Whiting).
Chloride, flake, dms., 77-80%, dms., c.l., dlvd..ton.20.50 -35.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.63 - 2.35
liquor, basis 40%, tanks, works..ton. 7.50 - —
solid, dom., 73-75%, dms., c.l., dlvd. ton.19.00 -32.00
l.c.l., 1 ton or over, dlvd. 100 lbs. 1.85 - 2.25
Gluconate, USP, gran., 150-lb. bbls..lb. .50 - —
dms.....lb. .55 - .57
cns.....lb. .60 - .65
Powd., 2c. per lb. higher.
Glycerophosphate, fib., dms., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
Hypophosphite, cns.....lb. .62 - .67
Iodide, bots., jars.....lb. 4.04 - 4.19
Lactate, USP, bbls., 200 lbs..lb. .24 - .25
Mandelate, dense, dms.....lb. 2.15 - 2.30
fluffy, dms.....lb. 2.00 - 2.15
Nitrate, bgs., to fort. mfrs., ex vessel Atlantic or Gulf ports, ton. No prices
Palmitate, bbls.....lb. .22 - .24
Phosphate, dibasic, precip., 38-40% P_2O_5, bgs., c.l.f. Atlantic ports, shipt. unit-ton. No prices
tribasic, c.l., bbls., works..lb. .0635 - —
l.c.l., bbls.....lb. .0705 - —
Resinate, precip., bbls., 1 ton..lb. .13 - —
smaller lots.....lb. .14 - —
Stearate, precip., bbls., ctns., c.l..lb. .20¼ - —
l.c.l., ton.....lb. .22½ - —
Sulphate (see Gypsum).
Sulphide, 70%, CaS, bgs., c.l., works..ton.46.00 - —
80%, CaS, bgs., c.l., wks..ton.51.00 - —
luminous, dom., tins, works, 100 lbs..lb. 1.25 - —
Sulphocarbolate, bbls., 200 lbs.lb. .47 - .48
kgs., 100 lbs.....lb. .50 - —
Calendula flowers, bls.....lb. .85 - .90
Calomel, bbls., fib., dms., bgs., 40 lbs. or more..lb. 2.70 - —
Camphor, natural, powd., cs...lb. .62 - .63
slabs, cs.....lb. .62 - .63
tablets, tins.....lb. .87 - .88
synth., dom., tech., bbls., contract, 2,000 lbs. or more, works..lb. .36 - —
smaller lots, works.....lb. .41 - —
USP, or import, gran., powd., bbls., 2,000-lb. lots..lb. .60 - —
1,000-lb. lots.....lb. .61 - —
smaller lots.....lb. .62 - —
tablets, 2,000-lb. lots....lb. .73 - —
1,000-lb. lots.....lb. .74 - —
smaller lots.....lb. .75 - —
Monobromate, bxs., 5gs.....lb. 2.00 - 2.05
Canada balsam (see Fir balsam).
Canary seed, Argentine, bgs...lb. .0330 - .0350
Morocco, bgs.....lb. .04 - .04¼
Turkish, bgs.....lb. .0340 - .0360
Canella alba bark, bls.....lb. .45 - .50
Cantharides, Chinese, cs.....lb. 1.50 - 1.60
powd., bxs.....lb. 1.75 - 1.85
Russian, cs.....lb. 3.00 - 3.05
powd., bxs.....lb. 3.25 - 3.30
Capsicum (see Pepper, red).
Caraway, Dutch, bgs.....lb. .50 - .52
Carbazole, 95%, dms., ton lots, works..lb. .72 - —
smaller quantities, works..lb. .80 - —
90%, dms., ton lots, works..lb. .75 - —
smaller quantities, works..lb. .85 - —
Diethyl, dms., works.....lb. .60 - —
small lots, works.....lb. .75 - —
Carbinol, butyl, norm. (see Amyl alcohol, normal).
Dimethylethyl (see Amyl alcohol, tertiary).
Isobutyl (see Alcohol, isoamyl).
Carbon bisulphide, 55-gal. dms., c.l., frt. alld. E. of Miss. R., N. of Ohio R..lb. .05 - —
l.c.l., same basis.....lb. .05¾ - —
5-gal. dms., c.l., same basis, lb. .07 - .07¼
l.c.l., same basis.....lb. .08 - .08½
Dioxide, cyls.....lb. .06 - .06
Tetrachloride, Zone 1, 52½-gal. dms., c.l., frt. alld..gal. .83¼ - —
l.c.l., frt. alld.....gal. .73 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .80 - —
l.c.l., frt. alld.....gal. 1.00 - —
Zone 2, 52½-gal. dms., c.l., frt. alld..gal. .73 - —
l.c.l., frt. alld.....gal. .80 - —
5 or 10-gal. dms., c.l., frt. alld..gal. .97 - —
l.c.l., frt. alld.....gal. 1.07 - —
Zone 3, 52½-gal. dms., c.l., frt. alld..gal. .87 - —
l.c.l., frt. allid.....gal. .93 - —
Carbon tetrachloride, Zone 3, 5 or 10-gal. dms., c.l., frt. allid..gal. 1.10 - —
l.c.l., frt. allid.....gal. 1.20 - —
Zone 4, 52½-gal. dms., c.l.gal. .83 - —
l.c.l.....gal. .90 - —
5 or 10-gal. dms., c.l..gal. 1.07 - —
l.c.l.....gal. 1.17 - —
All prices on carbon tetrachloride are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. cars, L. A. Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. All packages are inclusive and not returnable. Zone 1, includes the following States:—Me., N. H., Vt., Mass., Ct., R. I., N. Y., N. J., Pa., Md., Del., Va., W. Va., N. C., Tenn., O., Ind., Mich., Ill., Wis., Miss., Ia., Mo., also the river towns of Burlington, Ia., and Kansas City, Kan. Zone 2 includes N. D., S. D., Neb., Kan., Okla., Ark., La., Miss., Ala., Ga., S. C. and Fla. Zone 3 includes that portion of Montana east of Billings and the states of Wyoming, Colo., N. M. and Texas. Zone 4 includes Wash., Idaho, Montana, Ore., Cal., Nev., Utah and Arizona.
Cardamom, bleached, cs.....lb. 1.15 - 1.50
decorticated, cs.....lb. .90 Nom.
green, Ceylon, afloat, bgs...lb. .95 - .96
Carob bean flour (see Gum, Locust bean).
Carvol, bots.....lb. 4.00 - 4.25
Cascara sagrada bark, bulk....lb. .17 - .18
Case - hardening mixture, 20% lump, dms., l.c.l..lb. .09 - —
Casein, dom., 20-30 mesh, bgs., c.l., dlvd..lb. .12 - .13
5 tons, works.....lb. .12¼ - .13¼
smaller lots, works.....lb. .12½ - .13½
80-100 mesh, bgs., c.l.....lb. .12½ - .13½
5 tons, works.....lb. .12¾ - .13¾
smaller lots, works.....lb. .13 - .14
import, Argent 20-30 mesh, bgs., c.l., duty pd..lb. .12 - —
80-100 mesh, bgs., c.l., duty paid..lb. .12½ - —
French, 30 mesh, bgs., c.l., duty paid..lb. No prices
New Zealand, 20-30 mesh, c.l., bgs., duty paid..lb. No prices
Cassia, Batavia, No. 1, thin quill, bls..lb. .16½ - .17
No. 1, regular, bls.....lb. .16 - .16½
shortsticks, bls.....lb. .12½ - .13¾
broken, bls.....lb. .10¼ - .11
China, buds, bags.....lb. .12 - .12½
Rolls, select, bls.....lb. .11 - .11½
broken, extra.....lb. .09¾ - .10¼
Saigon, No. 1, 4-10-4, bls...lb. .18¾ - .19¼
10-6-2, bls.....lb. .19¼ - .19¾
all thin, bls.....lb. .21 - .21½
Cassia fistula, bakts.....lb. .15 - .16
Castile soap, Italian, white, bars, 40-lb. cases..case.14.00 - —
powd., bbls.....lb. .33 - .36
Castoreum, nat., cns.....lb.15.00 -15.50
synth., bots.....lb.19.00 - —
Castor beans, Brazilian, ship't., c&f, N.Y..ton.51.00 - —
Oil (see Oil, castor).
Pomace, dom., 2½% ammon., bgs., c.l., works..ton.15.00 - —
import, bgs., c.i.f. ports, shipment..ton. No prices
Celery seed, French, bgs.....lb. .62 - .64
Indian.....lb. .35 - .36
Celluloid scrap (see Pyroxylin scrap).
Cellulose, acetate, flake, gran., frt. allid..lb. .39 - —
Acetate-butyrate, high (20-40% butyryl content), 100-lb. ctn., 5,000 lbs. and up, frt. allid. lb. .42 - —
1,000-4,900 lbs., frt. allidlb. .46 - —
100-900 lbs., frt. allid....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. allid..lb. .41 - —
1,000-4,900 lbs., frt. allid.lb. .43 - —
100-900 lbs., frt. allid....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-10.9%), 100-lb. ctns., 5,000 lbs. and up, frt. allid..lb. .42 - —
1,000-4,900 lbs., frt. allid.lb. .44 - —
100-900 lbs., frt. allid....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Acetate - propionate, high (20-40% propionyl content), 100-lb. ctn., 5,000 lbs. and up, frt. allid..lb. .43 - —
1,000-4,900 lbs., frt. allid.lb. .46 - —
100-900 lbs., frt. allid....lb. .47 - —
smaller pkgs, works.....lb. .48 - —
low (up to 9.9%), 100-lb. ctns., 5,000 lbs. and up, frt. allid..lb. .41 - —
1,000-4,900 lbs., frt. allid.lb. .42 - —
100-900 lbs., frt. allid....lb. .43 - —
smaller pkgs, works.....lb. .44 - —
medium (10-19.9%), 100-lb. ctns., 5,000 lbs. and up, frt. allid..lb. .43 - —
1,000-4,900 lbs., frt. allid.lb. .44 - —
100-900 lbs., frt. allid....lb. .45 - —
smaller pkgs, works.....lb. .46 - —
Triacetate, flake, frt. allid....lb. .30 - —
Cerium hydrate, dms., works..lb. .60 - —
oxalate, USP, bbls., works..lb. .35 - —
kgs., works.....lb. .37 - —
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b. works..lb. .02¾ - —
cks., 250 lbs., c.l., f.o.b. works..lb. .03¼ - —
Chamomile flowers, Hungarian, genuine, cs..lb. 1.60 - 1.25
Roman, bls.....lb. 3.25 Nom.
Charcoal, softwood, gran., bgs., c.l., dlvd., Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va..ton.35.40 - —
Colo.....ton.32.00 - —
Conn., Me., Mass., N. H., R. I., Vt..ton.35.80 - —
Ind. (except river point), Minn., Neb., Wis..ton.27.00 - —
Indiana.....ton.31.00 - —
Ill. (river points), Mo., Okla., Tex. (except El Paso), Ia.....ton.25.00 - —
Kansas, El Paso, Tex., ton.26.00 - —
Michigan.....ton.32.80 - —
Ohio.....ton.32.80 - —
Penn.....ton.34.80 - —
Utah.....ton.36.00 - —
Willow, powd., bbls.....lb. .06 - .07
Chestnut extract, clarif., 25% tan., bbls., c.l., works..lb. .02¼ - —
l.c.l., bbls., works.....lb. .02¾ - —
tanks, works.....lb. .01¾ - —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.50 - —
l.c.l., works.....ton.10.00 -16.00
bulk, c.l., works...ton. 7.50 - —
200 mesh, bgs., c.l., works..ton.8.50 - —
l.c.l., works.....ton. 9.50 -15.50
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works..ton. 9.50 - —
paper bgs., c.l., works, ton.12.50 - —

China clay, import, white, lump, bulk, c.l., ex dock, Balto., Boston, Norfolk, Phila..ton.18.00 -25.00
powd., ckg., l.c.l., ex whse., ton.45.00 - —

Chloral hydrate, bots., 1,000 lbs., lb. .93 - 1.02
500 lbs. lb. .96 - 1.05
100 lbs. lb. .98 - 1.07
25 lbs. lb. 1.00 - 1.09
1-10 lbs. lb. 1.05 - 1.12
dms., 1,000 lbs. lb. .90 - —
500 lbs. lb. .93 - —
100 lbs. lb. .95 - —

Chlorinated rubber, standard, c.l., ctns., works..lb. .32 - —
100 lbs., ctns. lb. .35 - —
smaller lots. lb. .38 - —

Chlorine, liq., cyls., c.l., dlvd., N. Y..lb. .05¾- —
contracts, dlvd., N. Y...lb. .05¼- —
l.c.l., dlvd., N. Y. lb. .07¼- —
tanks, single units, works, frt. equald. 100 lbs. 1.75 - —
multiple unit, 3 or over, works, frt., equald., 100 lbs. 1.90 - —
2, works, frt. equald., 100 lbs. 2.40 - —
1, works, frt. equald., 100 lbs. 2.90 - —

Chloracetophenone, tins, works.lb. 3.00 - 3.50

Chloroform, tech., 650-lb. dms.lb. .20 - —
100-lb. dms. lb. .22 - —
50-lb. dms. lb. .25 - —
USP, 650-lb. dms. lb. .30 - —
100-lb. dms. lb. .32 - —
50-lb. dms. lb. .33 - —

Chloropicrin, com'l, 150-lb. cyls., frt. alld..lb. .80 - —
100-lb. cyls., frt. alld. lb. .85 - —
25-lb. cyls., works. lb. 1.00 - 1.15
1-lb. bot., case 12, works, lb. 1.25 - —

Chrome acetate, powd., 24%, bbls., dlvd..lb. .13½- —
solut. 8¼%, cs., bbls. lb. .05¾- —
Cake, bulk, c.l., works....ton.16.00 - —
Green (see Green, chrome).
Oxide (see Green, chrome).
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs. lb. .45 - —
scale, dms., 100 lbs. lb. .45 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).

Chrysarobin, 5-lb. bot. lb. 5.00 - —

Cinchona bark, quill, USP, 10 in., medium, cs..lb. .85 - .90
20 in., thick, cs. lb. .85 - .90
20 in., medium, cs. lb. .85 - .90
USP, broken quill, red, bgs., lb. .20 - .21
yellow, bgs. lb. .20 - .21

Cinchonidine, small crys., cns., 100 ozs..oz. .89 - —
Sulphate, N.F., cns.100 ozs..oz. .55 - —

Cinchonidine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, higher ocean freight rates and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchonine, small crys., cns., 100 ozs..oz. .62 - —
large cryst., cns.100 ozs..oz. .66 - —
Sulphate, N.F., cns.100 ozs..oz. .42 - —

Cinchonine buyers must pay a surcharge of 7c. per oz., to cover present war risk insurance, higher ocean freight rates and other expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.

Cinchophen, USP, 25-lb. fib. dms., lb. 3.60 - —
1 and 5-lb. bots. lb. 3.70 - 3.80
100 lbs., dms. lb. 3.50 - —

Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, f.c.c., cbys. lb. .85 - .90
Cinnamon, Ceylon, 2 bls. lb. .15¾- .16¼
3 bls. lb. .15½- .16
Citral, bots., cns. lb. 1.40 - 2.10
Citrine ointment, jars. lb. .95 - .97
Citronellal, bots., dms. lb. .75 - .80
Citronellol, bots., dms. lb. 1.60 - 1.85
Clove, Amboyna, bgs. lb. .23 - .23½
Madagascar lb. .16¼- .16¾
Zanzibar lb. .16 - .16½
Clover tops, red, bgs. lb. .35 - .40
dom., bgs. lb. .30 - .35
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works. bbl. 8.25 - 8.50
tanks, works. gal. .07½- .09
refd., bbls., c.l., works. bbl. 8.00 - 8.25
l.c.l., works. bbl. 8.75 - 9.00
tanks, works. gal. .06½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works. dm. 8.25 - —
refd., dms., c.l., works. dm. 8.00 - —
l.c.l., works. dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd., lb. .80½- —
Carbonate, powd., bgs., works, lb. 1.58 - —
Chloride, kgs., works. lb. .85 - —
Hydrate, bbls. lb. 1.98 - —
Linoleate, paste, 8%, dms. lb. .31 - —
solid, 8½%, bbls. lb. .23 - —
Oleate, bbls. lb. .25 Nom.
Oxide, black, kgs. lb. 1.84 - —
Resinate, fused A, bbls. lb. .18½- —
1 %, cobalt oxide, bbls. lb. .13 - —
2 %, cobalt oxide, bbls. lb. .14 - —
5½%, cobalt oxide, bbls. lb. .17½- —
precip., dms., dlvd. lb. .24 - —
Sulphate, dms. lb. .65 - —
Cocaine, hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs. lb. .37 - .38
Teneriffe, silver, bgs. lb. .38 - .39
Cocoa butter, bulk, c.l., bgs. lb. .19 - —
Cocillana bark, bgs. lb. .25 - .30
Codeine, cns., 100 ozs. oz.11.70 - —
Hydrochloride, cns., 100 ozs..oz.10.50 - —
Phosphate, cns., 100 oz. oz. 9.00 - —
Sulphate, cns., 100 ozs. oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .07 - .08
Blue, root, bls. lb .07 - .08
Colchicine, bots., cns. oz.22.00 -25.00
Colchicum seed, bgs. lb. 2.50 Nom.
Collodion, USP, dms., 325 lbs. lb. .12½- —
cns., 25 lbs. lb. .16 - —
flexible, USP, dms., 325 lbs. lb. .14½- —
cns., 25 lbs. lb. .18 - —
Colocynth pulp, bls. lb. .55 - .56
Colombo root, bls. lb. .15 - .16
Coltsfoot leaves, bgs. lb. .35 - .40
Condurango bark, bgs. lb. .11 - .12
Conium leaves, bls. lb. .80 - .82
Copaiba balsam, Para, cns. lb. .27 - .28
S.A., USP, cns. lb. .29 - .30
Copper acetate, normal, bbls., dlvd..lb. .22 - —
smaller containers, dlvd. lb. .24 - —
Carbonate, 52-54%, bbls. lb. .16½- —
Chloride, cryst., bbls. lb. .16 - —
Cyanide, tech., bbls. lb. .54 Nom.
Iodide, bots. lb. 5.15 - 5.19
Metal, electrolytic. lb. .12 - —
Nitrate, cryst., bbls. lb. .16¼- —
Oleate, precip., bbls. lb. .29 - —
Copper, oxide, black, 79-80%, bbls., tons, works..lb. .18 - —
Red, com'l, 50-95%, kgs., f.o.b. N.Y..lb. .20½- —
Resinate, precip., bbls. lb. .15 - .16
Sulphate, 99% cryst., bbls., c.l., f.o.b. works..100 lbs. 4.75 - —
l.c.l., 16-50 bbls., same basis, 100 lbs. 4.90 - —
6-15 bbls., same basis, 100 lbs. 5.10 - —
1-5 bbls., same basis, 100 lbs. 5.35 - —
monohydrated, dms., c.l., dealers, f.o.b. works.100 lbs. 9.20 - 9.55
l.c.l., dealers. 100 lbs.10.30 -10.65
Copperas, cryst., gran., bgs., c.l., works..ton.17.00 - —
bbls., c.l., works. ton.20.00 - —
l.c.l., 25 or over, works, 100 lbs. 1.85 - —
1-4, works. 100 lbs. 2.00 - —
bulk, c.l., works. ton.14.00 - —
Copra, Coast, ship. lb. .0175 Nom.
Coriander, bgs. lb. .06¾- .07¼
bleached, bgs. lb. .09 - .09½
Corn sugar, tanners', chipped, bgs., c.l., dlvd..100 lbs. 3.95 - —
slabs, bbls., c.l. 100 lbs. 3.31 - —
solid, bbls., c.l. 100 lbs. 3.43 - —
Syrup, 42°, bbls., c.l..100 lbs. 3.42 - —
43°, bbls., c.l. 100 lbs. 3.47 - —
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 2.19 - —
gran., powd., dms., 50 lbs. or more..lb. 2.04 - —
Cottonroot bark, bls. lb. .10 - .11
Cornsilk, bls. lb. .15 - .16
Cottonseed hull ash, 32-36% pot-ash, bgs., dlvd..unit-ton. 1.00 - —
meal, 8%, Southeast, mills.ton.26.50 -27.00

Coumarin, 5 lbs., or more, 25-lb. cns..lb. 2.75 - 3.00
5-lb. cns. lb. 2.85 - 3.10
1-lb. cns. lb. 3.00 - 3.25
1-oz cns. lb. 3.35 - 3.60
less than 5 dms., cns. lb. 4.15 - 4.65
Cramp, bark, genuine, bls. lb. .23 - .24
so-called, bls. lb. .06 - .07
Cranesbill root, bls. lb. .10 - .18
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't. lb. .47½- —
smaller lots, bbls. lb. .48 - —
kgs. lb. .48½- —
Creosote, beechwood, bots. lb. No price
hardwood, USP, bots. lb. .45 - .47
Pine, dms. gal. .26 - —
Carbonate, bots., cbys. lb. 1.90 - 2.20
Oil, crude, tanks, works. gal. .13½- .14¼
Coaltar, solution, tanks, works, gal. .122 - .123
refd., bbls., l.c.l., works. gal. .26 - —
tanks, works. gal. .18 - .18¼
Cresol, USP, dms., c.l., works. lb. .09¾- —
l.c.l., same basis. lb. .10¼- —
special resin grade, dms., c.l., works..lb. .08¾- —
l.c.l., same basis. lb. .09¾- —
Crotonaldehyde, 97%, 55 and 110 gal., c.l., works..lb. .11 - —
l.c.l. works. lb. .12 - —
5 and 10 gal. dms., works..lb .15 - —
Cryolite, syn., c.l., frt. alld., E. of Miss. River..lb. .06½- —
l.c.l., works. lb. .09¼- —
natural, c.l. 100 lbs. 8.75 - —
l.c.l. 100 lbs. 9.25 - —
Cube root, powd., 5% rotenone, bbls., f.o.b. N. Y. C....lb. .19 - .21
4% rotenone prices are 3c. per lb less.
Cubeb berries, XX, bgs. lb. .39 - .41
powd., cs. lb. .45 - .47

China Clay—Derris Root

Culver's root, bls. lb. .16 - .17
Cumin seed, Morocco, bgs. lb. .18½- .19
Cyprus, bgs. lb. .18½- .19
Persian, bgs. lb. .16 - .16½
Cutch, Borneo, extract, solid, contract, f.o.b. N. Y., duty paid..lb. .04½- —
Cyanamide, 22% N, pulv., bgs., dlvd., contracts, N..unit-ton. 1.40 - —
Cyanide-chloride, mixture, 45%, gran., dms..lb. .16¾- —
lump, dms. lb. .09¾- —
75%, gran., dms. lb. .15 - —
Cychlohexane, 98-100%, dms., works..lb. .16 - —
Cyclohexanol, 98-100%, dms., works..lb. .28 - —
Cyclohexanone, 98-100%, dms., works..lb. .32 - —

D

Damiana leaves, bls. lb. .16 - .17
Dandelion root, German, bls. lb. .75 - .80
Decanol, normal, tech., 360 lbs., dms., dlvd..lb. .35 - —
Deertongue leaves, bls. lb. .12 - .14
Degras, common dom., bbls. lb. .06 - .06½
neutral, dom., bbls. lb. .13½- .16¼
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y. lb. .21 - .23
4% rotenone prices are 3c. per lb. less.

WISHNICK-TUMPEER, INC. has given considerable attention to the improvement of Magnesium Carbonate, with the result that today even the technical grades of Witco's product rival the U.S.P. standards in purity. In view of this quality it has become more and more in demand by the most exacting users. With greater laboratory facilities than ever before Witco offers continued assurance of high quality in Magnesium Carbonate and effective cooperation with customers in matters pertaining to its use.

WISHNICK-TUMPEER, INC.

MANUFACTURERS AND EXPORTERS

New York, 295 Madison Ave. • Boston, 141 Milk St. • Chicago, Tribune Tower • Cleveland, 616 St. Clair Ave., N. E. • Dallas, Texas, 610 Dallas National Bank Building • Witco Affiliates: Witco Oil & Gas Company • The Pioneer Asphalt Company • Panhandle Carbon Company • Foreign Office, London, Eng.

BUY DIRECT AND PROFIT DIRECTLY

Derris Extract—Glue

Derris, extract, 25% rotenone, bulk, cns..lb. 3.00 - 4.00
Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 4.05 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.15 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.80 - —
l.c.l., f.o.b. Chicago..100 lbs. 4.60 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.75 - —
l.c.l., f.o.b. Chicago..100 lbs. 3.95 - —
Potato, import, bgs.....lb. No stocks
Diacetone (see under Alcohol).
Diacetyl, bots.....lb. 10.00 -11.00
Diamyl ether, dms., c.l., works, lb. .085 - —
l.c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .20 - —
Phthalate, dms., c.l., dlvd...lb. .21 - —
l.c.l., dlvd.....lb. .21½ - —
tanks, dlvd.....lb. .20 - —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works, lb. .47 - —
l.c.l., works.....lb. .48 - .50
tanks, works.....lb. .45 - —
Diamylene, dms., c.l., works...lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diamylnaphthalene, dms., l.c.l., works..lb. .20 - —
Diamylphenol (2, 4), dms., c.l., works..lb. .17 - —
l.c.l.....lb. .20 - —
Diatomaceous earth, dom., natural, bgs., c.l., f.o.b. Pacific cst..ton. 22.00 -25.00
l.c.l., ex whse.....ton. 45.00 - —
purified, bgs., c.l., f.o.b. Atlantic seaboard.....ton. 35.00 -39.00
l.c.l., ex whse.....ton. 85.00 -90.00
chemically pure, bgs., c.l., f.o.b. Atlantic seaboard..lb. .06 - —
l.c.l., ex whse.....lb. .10 - .16
import, bgs., c.l., c.i.f....ton. No prices
Dibutylamine, dms., c.l., works, lb. .50 - —
l.c.l.....lb. .51 - .53
tanks, works.....lb. .48 - —
Dibutyl ether (see Ether, butyl).
Phthalate, dms., c.l., dlvd...lb. .19 - —
l.c.l., dlvd.....lb. .19½ - —
tanks, dlvd.....lb. .18 - —
cns., works.....lb. .23½ - .25½
Sebacate, dms., works.....lb. .45 - .47
Tartrate, dom., dms.....lb. .30 - —
Dicalcium phosphate (see Calcium phosphate dibasic).
Dichlorethyl ether, dms., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Dichloropentane, dms., c.l., works, lb. .0221- —
l.c.l.....lb. .04 - —
tanks.....lb. .025 - —
Diethanolamine, dms., c.l., works, lb. .23½ - —
l.c.l., works.....lb. .24½ - —
tanks, works.....lb. .22½ - —
Diethylamine, dms., l.c.l., works, lb. .70 - —
l.c.l.....lb. .40 - —
Diethylcarbonate, com'l, dms...lb. .25 - —
ref'd., 99% dms.....lb. .35 - —
Carbinol (see Carbinol).
Cyanate dm [illegible] .27 - —
Phthalate, dms., c.l., frt. alld. lb. .19 - —
l.c.l.....lb. .19½ - —
tanks.....lb. .18 - —
Sulphate, dms., c.l., works...lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks.....lb. .12 - —
Diethyleneglycol, dms., c.l., works, lb. .14 - —
l.c.l., works.....lb. .15½ - —
Monobutylether, dms., works..lb. .22½ - .24½
Monoethylether, dms., c.l., works..lb. .14½ - —
l.c.l., works.....lb. .15½ - —
tanks, works.....lb. .13½ - —
Digitalis leaves, dms.....lb. .35 - .40
Digiycol, laurate, c.l.....lb. .16 - —
Oleate, light, bbls., c.l.....lb. .17 - —
Stearate, bbls., c.l.....lb. .22 - —
Di-isobutyl ketone, dms., works..lb. .19 - —
Dilleed, recleaned, bgs.....lb. .07¾ - .08¼
Dimethyl phthalate, dms., c.l., dlvd..lb. .18½ - —
l.c.l., dlvd.....lb. .19 - —
tanks, dlvd.....lb. .17½ - —
Dimethylaniiin, dms., c.l.....lb. .23 - —
l.c.l., dms.....lb. .24 - —
Dimethylamine, dms., c.l., dlvd.lb. 1.00 - —
l.c.l., dlvd.....lb. 1.05 - —
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls., 99° min..lb. .18 - —
Dinitrochlorobenzene, dms.....lb. .14 - —
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .22 - —
Dinitrotoluene, dms.....lb. .15½ - —
oily, dms.....lb. .09 - —
Diorthotoluolguanidin, dms., 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dioxan, dms., c.l., frt. alld....lb. .20 - —
l.c.l., same basis.....lb. .21 - —
tanks, same basis.....lb. .19 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks.....gal. .41 - —
dest., dist., dms.....gal. .45 - .48
tanks.....gal. .38 - —
Diphenyl, bbls., c.l., works....lb. .15 - —
l.c.l., works.....lb. .16 - .20
Oxide, perfume grade, cns...lb. .50 - .55
Diphenylamine, bbls.....lb. .25 - —
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .35 - —
600-1,950 lbs., dlvd.....lb. .36 - —
150-450 lbs., dlvd.....lb. .37 - —
Diphenylmethane, bots.....lb. 1.40 - 3.00
Dimethylethyl carbinol (see Carbinol).
Divi-divi, Columbian.....ton. 32.00 - —
Venezuelan.....ton. 35.00 - —
Doggrass root, cut, N.F., bls..lb. .60 - .65
Dogwood bark, Jamaica, bls...lb. .08 - .10
Dovers powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .65 - .85
reeds, cs.....lb. 1.00 - 1.05
Dyes, coaltar (certified colors) for foods, drugs and cosmetics:—
Blue, FD&C blue, No. 1, cns..lb. 13.50 - —
FD&C blue, No. 2, cns....lb. 13.50 - —
FD&C green, No. 2, cns....lb. 17.50 - —
FD&C green, No. 3, cns....lb. 27.50 - —
Green, FD&C green, No. 1, cns. lb. 13.50 - —
Orange, FD&C orange, No. 1, cns..lb. 2.90 - —
FD&C orange, No. 2, cns..lb. 3.65 - —
Red, FD&C red, No. 1, cns..lb. 6.00 - —
FD&C red, No. 2, cns.....lb. 3.15 - —
FD&C red, No. 3, cns.....lb. 17.50 - —
FD&C red, No. 4, cns.....lb. 5.75 - —
FD&C red, No. 32, cns.....lb. 4.15 - —
Dyes, coaltar (certified colors), for foods, drugs, and cosmetics:—
Yellow, FD&C yellow, No. 1, cns..lb. 3.50 - —
FD&C yellow, No. 3, cns..lb. 2.65 - —
FD&C yellow, No. 4, cns..lb. 2.65 - —
FD&C yellow, No. 5, cns..lb. 3.15 - —
FD&C yellow, No. 6, cns..lb. 3.15 - —
Dyes, coaltar (certified colors), for drugs and cosmetics):—
Black, D&C black, No. 1....lb. 8.35 - —
Blue, D&C blue, No. 6.....lb. 13.50 - —
Brown, D&C brown, No. 1, cns.. lb. 12.35 - —
Green, D&C green, No. 5, cns.. lb. 12.35 - —
D&C green, No. 6, cns.....lb. 12.35 - —
Orange, D&C orange, No. 3, cns..lb. 8.35 - —
D&C orange, No. 4, cns....lb. 15.35 - —
D&C orange, No. 10, cns...lb. 15.35 - —
D&C orange, No. 11, cns...lb. 17.35 - —
Red, D&C red, No. 5.....lb. 6.00 - —
D&C red, No. 17.....lb. 8.35 - —
D&C red, No. 18.....lb. 18.35 - —
D&C red, No. 19, cns.....lb. 15.35 - —
D&C red, No. 22, cns.....lb. 8.35 - —
D&C red, No. 33.....lb. 15.35 - —
D&C red, No. 37, cns.....lb. 12.35 - —
Yellow, D&C yellow, No. 7, cns..lb. 8.35 - —
D&C yellow, No. 8, cns....lb. 9.35 - —
D&C yellow, No. 11.....lb. 10.35 - —
Dyes, coaltar (certified colors), for external use drugs and cosmetics:—
Blue, Ext. D&C blue, No. 1, cns..lb. 12.35 - —
Green, Ext. D&C green, No. 1, cns..lb. 12.35 - —
Red, Ext. D&C red, No. 1, cns..lb. 10.35 - —
Ext. D&C red, No. 3.....lb. 21.85 - —
Ext. D&C red, No. 5.....lb. 7.85 - —
Ext. D&C red, No. 10, cns..lb. 12.35 - —
Ext. D&C red, No. 13, cns..lb. 12.35 - —
Yellow, Ext. D&C yellow, No. 1, cns..lb. 8.35 - —
Dyes, coaltar, for general uses (numbers are those of Colour index scale):—
36 Chrome yellow 2G....lb. .65 - .70
40 Chrome yellow R....lb. .50 - 1.00
53 Victoria violet.....lb. .80 - 1.00
165 Lake red C.....lb. .70 - .80
170 Fast red A.....lb. .56 - .60
180 Fast red VR.....lb. 1.50 - 1.60
180 Lake red R, paste....lb. .85 - .90
189 Lake red R, powd....lb. 3.00 - 3.10
Sulphur tan.....lb. .30 - .50
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
216 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
280 Fast cyanin 5R.....lb. .90 - 1.00
209 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B..lb. .80 - .85
326 Direct cast scarlet....lb. 2.00 - 2.25
304 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.35
382 Direct scarlet 5B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.30
401 Developed black BHN, lb. .45 - .60
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B...lb. .40 - .42
495 Benzo purpurin 10B..lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .80 - 1.00
518 Direct pure blue 6B..lb. 1.10 - 1.25
520 Direct pure blue....lb. .50 - 1.00
529 Direct fast black FF.lb. .55 - 1.00
581 Direct black EW....lb. .25 - .50
582 Direct black RX.....lb. .35 - .45
592 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 3GO....lb. .85 - 1.00
626 Direct yellow R.....lb. .75 - 1.00
698 Acid violet.....lb. 1.00 - 3.00
812 Primulin.....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin (water soluble), lb. .35 - .50
1177 Indigo, 20 p.c. paste..lb. .15 - .18
Benzo fast black L....lb. .90 - 1.00
Sulphur black.....lb. .20 - .25
Sulphur blue.....lb. .40 - 1.00
Sulphur brown.....lb. .25 - .50
Sulphur maroon.....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur yellow.....lb. .30 - .50
Zambesi black.....lb. .75 - .80
Dyes, coaltar, for stains, oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
865 Nigrosin derivatives..lb. .38 - .62
Blue:—
1075 Alizarin astrol base...lb. 13.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
Brown:—
Brown.....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green..lb. 5.00 - —
Green.....lb. .75 - —
Orange:—
24 Sudan I.....lb. .75 - —
Orange, red shade....lb. .75 - —
Red:—
75 Sudan II.....lb. 1.05 - —
238 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil pink), lb. 2.50 - —
1080 Anthraquinone violet base..lb. 6.00 - —
880 Oil violet.....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow, lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse):—
Black:—
864 Nigrosin .....lb. .38 - .44
Blue:—
860 Indulin .....lb. .60 - .70
Brown:—
331 Bismarck brown.....lb. 1.50 - —
Green:—
637 Malachite green base..lb. 2.00 - —
Dyes, coaltar, spirit-soluble:—
Orange:—
26 Chrysoldin G.....lb. .95 - —
31 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base, lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow, lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS....lb. 2.00 - —
Violet:—
680 Methyl violet base....lb. .85 - —
Dyes, coaltar, water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 3c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S.lb. .50 - —
878 Methylene gray.....lb. 1.50 - —
Blue:—
714 Patent blue A.....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue.....lb. 1.00 - —
1054 Alizarin saphirol B....lb. 1.90 - —
1180 Indigotin IA.....lb. .83 - —
Brown:—
234 Resorcin brown Y.....lb. .65 - —
235 Resorcin dark brown R, lb. .06 - —
231 Bismarck brown G....lb. .40 - .52
332 Bismarck brown R....lb. .50 - .52
793 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B.....lb. 1.00 - —
657 Malachite green.....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .58 - —
924 Methylene green B....lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.35 - —
Orange:—
10 Chrysoldin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
31 Amidonaphthol red G..lb. .42 - —
37 Amidonaphthol red 6B, lb. .68 - —
70 Popeeau R.....lb. .48 - —
88 Fast red B.....lb. 1.05 - —
176 Fast red A.....lb. .54 - —
179 Azorubin .....lb. .60 - .62
188 Crocein scarlet 3BX...lb. .72 - .75
186 Cochineal red A.....lb. .60 - —
252 Brilliant crocein M....lb. .68 - —
677 Fuchsin .....lb. 2.10 - —
749 Rhodamine B.....lb. 3.50 - —
752 Rhodamine 6G.....lb. 4.50 - —
768 Eosin G.....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B.....lb. .75 - —
681 Crystal violet C.....lb. 1.75 - —
695 Acid violet 4BN.....lb. .88 - —
Yellow:—
10 Naphthol yellow S....lb. .58 - —
138 Metanil yellow.....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow...lb. 1.15 - —
640 Tartrazin .....lb. .80 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .18 - .19
Egg albumen (see Albumen).
yolk, dom., bbls.....lb. .59 - .60
imported.....lb. .56 - .59
Elder flowers, bright, bls....lb. .72 - .75
Elecampane root, bls.....lb. .10 - .11
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .19 - .20
select, bndls.....lb. .19 - .21
Emetine hydrochloride, bots...oz. 22.00 -23.00
Ephedra, bls.....lb. .12 - .13
Ephedrine, U.S.P. hemihydrate, tins, 1,000 oz...oz. .70 - —
100 ozs.....oz. .80 - —
anhyd., dms., 1,000-oz. lots.oz. .73 - —
100-oz. lots.....oz. .85 - —
Hydrochloride, tins, 1,000-oz. lots..oz. .53 - —
tins 100-oz. lots.....oz. .63 - —
Sulphate cryst., tins, 1,000-oz. lots..oz. .53 - —
tins, 100-oz. lots.....oz. .63 - —
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls.....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.25 - —
smaller lots....100 lbs. 2.50 - —
bbls., c.l.....100 lbs. 2.10 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.35 - —
smaller lots....100 lbs. 2.60 - —
kgs., c.l.....100 lbs. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..100 lbs. 2.60 - —
smaller lots....100 lbs. 2.85 - —
dried, bgs., l.c.l.....lb. .08 - .09
Ergot, USP, cns., dms.....lb. 1.55 - 1.60
Esserine, bots.....oz. 50.00 -60.00
Salicylate, bots.....oz. 42.00 -54.00
Sulphate, bots.....oz. 42.00 -54.00
Ether, acetic (see Ethyl acetate).
Butyl, l.c.l., dlvd.....lb. .25 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., 310-lb. dms., lb. .11 - —
cns., 27 lbs.....lb. .14 - —
Synth., dms., c.l., works....lb. .10 - —
l.c.l., works.....lb. .11 - —
tanks.....lb. .08 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
washed, dms.....lb. .37 - .38
Ethyl acetate, 85-90%, dms., c.l., frt. alld..lb. .07½ - —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½ - —
95-98%, dms., c.l., frt. alld..lb. .07¾ - —
l.c.l., frt. alld.....lb. .08½ - —
tanks, frt. alld.....lb. .06¾ - —
N.F., 460-lb. dms.....lb. .10 - —
cns., 35 lbs.....lb. .14½ - —
Acetoacetate, dms., c.l., wks..lb. .27½ - —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .18 - .20
Cinnamate, cns.....lb. 3.20 - 4.00
Crotonate, 55-gal. dms., dlvd., lb. .35 - —
1-gal. cns.....lb. 1.00 - —
5 and 10-gal. dms., dlvd....lb. .75 - —
Formate, cns., dms.....lb. .23 - .26
Iodide, bots., cns.....lb. 3.50 - 3.60
Lactate, 55-gal. dms., works..lb. .33½ - —
5-gal. dms., works.....lb. .37½ - .39½
Oxalate, dms., frt. alld.....lb. .25 - —
Silicate, l.c.l., dms., works..lb. .77 - —
Vanillin, 25-lb. lots, cns....lb. 6.00 - —
5-lb. lots, cns.....lb. 6.05 - —
1-lb. lots, cns.....lb. 6.15 - —
Ethylcellulose, contracts, bgs., c.l., frt. alld..lb. .45 - —
5,000 lbs. or more, frt. alld., lb. .47 - —
500 lbs. or more, frt. alld., lb. .48 - —
100 to 499 lbs., frt. alld...lb. .50 - —
smaller lots, works.....lb. .55 - —
Ethylene, dichloride, dms., c.l., works, E. of Rockies, frt. alld..lb. .0695- —
West of Rockies, same basis..lb. .0743- —
l.c.l., works, E. of Rockies, frt. alld..lb. .0746- —
West of Rockies, same basis..lb. .0792- —
Ethyleneglycol, dms., c.l.....lb. .14½ - —
l.c.l.....lb. .15½ - .18½
tanks.....lb. .13½ - —
Monobutylether, dms., c.l., works..lb. .16½ - —
l.c.l., works.....lb. .17½ - .20½
tanks, works.....lb. .15½ - —
Monoethylether, dms., c.l., works, lb. .14½ - —
l.c.l., works.....lb. .15½ - .18½
tanks, works.....lb. .13½ - —
Monoethylether, acetate, dms., c.l., works..lb. .11½ - —
l.c.l., dms.....lb. .12½ - .15½
tanks, works.....lb. .10½ - —
Monomethylether, dms., c.l., works..lb. .15½ - —
l.c.l., works.....lb. .16½ - —
tanks, works.....lb. .14½ - —
Ethylidinanilin, dms.....lb. .45 - .47½
Eucalyptol, cns., dms.....lb. .78 - .80
Eucalyptus leaves, bls.....lb. .11 - .12
Eugenol, cns., dms.....lb. 1.75 - 2.00
Euphorbia, bls.....lb. .09 - .10

F

Feldspar, enamel, 100 mesh, bulk, works..ton. 14.00 -17.50
l.c.l., minimum 2 tons..ton. 17.00 -20.50
glass, 20 mesh, bulk, works.ton. 9.75 -13.25
l.c.l., minimum 2 tons..ton. 12.75 -16.25
pottery, bulk, dms., works..ton. 17.00 -19.00
N. C., works.....ton. 17.00 -19.00
l.c.l., minimum 2 tons.ton. 20.00 -22.00
Fennel seed, Argentine, bgs...lb. .12 - .16½
French, bgs.....lb. .35 Nom.
Indian, bgs.....lb. .11½ - .12
German, large, bgs.....lb. .33 Nom.
Roumanian, bgs.....lb. .11½ - .12
Fenugreek seed, bgs.....lb. .04½ - .05
Ferric, sulphate, anhyd., c.l., works..ton. 35.00 - —
l.c.l.....ton. 40.00 - —
Film scrap, colors, dark, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
light, cs., 1,000 lbs. or over, works..lb. .12 - —
smaller lots, works....lb. .13 - —
water white, cs., 1,000 lbs. or over, works..lb. .14 - —
smaller lots, works....lb. .15 - —
Fir balsam, Canada, cns.....gal. 16.00 -16.50
Oregon, bbls.....gal. 1.10 - 1.15
Fish barries, bgs.....lb. .26 - .27
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures..unit-ton. No prices
meal, bgs., f.o.b. Balto.....ton. 58.00 -59.00
6-7% ammon., 8% phosphor. acid, bulk, Atlantic factories, contracts...unit-ton. 2.50 & .50
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f. ports, Jan. shipt..ton. No prices
spot..ton. No prices
Flake white, dom., bbls.....lb. .09 - —
kegs.....lb. .11 - —
Fleaseed, French, blacks, bgs...lb. .55 - .60
Indian, blonde, bgs.....lb. .09 - .10
Fluorspar, dom., No. 1 ground, bulk, 95-98%, f.o.b. mines, net ton..29.00 - —
washed gravel, 85.5 f.o.b. Ky. and Ill.-Ky. mines.net ton. 20.00 - —
No. 2, lump, 85.5 f.o.b. Ky. and Ill. mines..net ton. 20.00 - —
imported, 85.5, duty paid, short ton. No prices
Formaldehyde, bbls., c.l., works, lb. .0550- —
l.c.l., works.....lb. .06 - —
dms., c.l., works.....lb. .0613- —
l.c.l., works.....lb. .0565- —
tanks, works.....lb. .04 - —
Fringetree bark, bls.....lb. .14 - .15
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga. mines...ton. 15.00 - —
Import, bgs., c.l., ex dock..ton. No prices
l.c.l., ex whse.....ton. No prices
Furfural, ref., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½ - .23
tech., dms., contracts, 150,000 lbs..lb. .10 - —
c.l., works.....lb. .12½ - —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .17½
Fustic extract, cryst., bbls.....lb. .24 - .25
liquid, bbls.....lb. .10½ - .14
solid, dms.....lb. .19 - .21

G

G salt, bbls.....lb. .45 - —
Galangal root, bls.....lb. .16 - .17
Gambier, common, cases.....lb. .06½ - .07
plantation, cases.....lb. .09½ - .11½
Cubes, Singapore, cases...lb. .08½ - .09
extract, bbls.....lb. .09½ - .12
Gasoline at refinery:—
Bayonne, US motor, tanks, ex tax..gal. .05½ - .06½
California (f.o.b. San Francisco), regular, trucks, tax incl..gal. .13½ - —
Gulf Coast, US motor, 70-72 octane, tanks, ex tax..gal. .03½ - .03½
Louisiana-Arkansas, US motor, 72-74 octane, tanks, ex tax..gal. .04½ - .04¾
Oklahoma-Texas, US motor, 72-74 octane, tanks, ex tax..gal. .04½ - .04¾
natural, 18-55, tanks....gal. .02¾ - .02¾
26-70, tanks.....gal. .02 - .02½
Gelatine, silver, cs.....lb. .60 - .67
Gelsemium root, bls.....lb. .14 - .15
Gentian root, bls.....lb. .40 - .45
grd., bbls., bxs.....lb. .44 - .49
powd., bbls., bxs.....lb. .45 - .50
Geraniol, cns., dms.....lb. .60 - 3.00
Ginger, African, No. 1, bgs....lb. .07¾ - .07¾
Cochin, lemon, bgs.....lb. No stocks
Jamaica, bold, bgs.....lb. .17 Nom.
medium, bgs.....lb. .16 Nom.
grinding, bright, bgs.....lb. .15½ Nom.
Japanese, bgs.....lb. No stocks
Ginseng root, wild Southern, cs. lb. 12.00 -13.00
Glauber's salt, anhdyd. (see Soda Sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.10
5 tons or over, works, 100 lbs. 1.05 - 1.25
less than 5 tons, works, 100 lbs. 1.15 - 1.35
import, bgs.....100 lbs. No prices
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½ - —
26/28 bgs., c.l., dlvd.....lb. .13½ - —
l.c.l., dlvd.....lb. .14 - —

Glue, bone, calcimine type, 58/82 bgs., c.l., divd..lb. .15 - —
l.c.l., divd.....lb. .15½- —
82/108 millipoise, bgs., c.l., divd..lb. .15½- —
l.c.l., divd.....lb. .16 - —
Hide, calcimine type, 58 millipoise, 135 jellygrams, bgs., c.l., divd. East Middlewest. lb. .17 - —
l.c.l., same basis.....lb. .17½- —
60/164, bgs., c.l., same basis, lb. .18½- —
l.c.l., same basis.....lb. .19 - —
67/122, bgs., c.l., same basis, lb. .19½- —
l.c.l., same basis.....lb. .20 - —
75/222, bgs., c.l., same basis, lb. .22½- —
l.c.l., same basis.....lb. .23½- —
88/261, bgs., c.l., same basis, lb. .23½- —
l.c.l., same basis.....lb. .24½- —
92/283, bgs., c.l., same basis, lb. .24½- —
l.c.l., same basis.....lb. .25½- —
102/315, bgs., c.l., same basis..lb. .25½- —
l.c.l., same basis.....lb. .26 - —
113/347, bgs., c.l., same basis..lb. .26 - —
125/379, bgs., c.l., same basis..lb. .27 - —
l.c.l., same basis.....lb. .28 - —
Glue prices for barrel packing, ½c. per lb. higher; grinding charge, 20-40 mesh, ½c. per lb.; 60 mesh, 1c. per lib.
Glycerin, CP, cns., l.c.l.....lb. .14½- .15
dms., c.l., divd.....lb. .12½- —
l.c.l., divd.....lb. .13 - —
tanks, divd.....lb. .12¼- —
dynamite, dms.....lb. Nominal
high gravity, dms., c.l., divd..lb. .12 - —
l.c.l., divd.....lb. .12½- —
tanks, divd.....lb. .11⅝- —
saponification, basis 88%, for industrial users, special colors, dms. returnable, c.l., divd..lb. .09½- —
l.c.l., same basis....lb. .10½- —
tanks .....lb. .08½- —
for rafineers, dms. returnable, tanks, divd..lb. .08½- .08¾
soaplye, basis 80%, dms., tanks, returnable, divd..lb. .07½- .07¾
Glycine, medicinal, bbls., tins..lb. 1.70 - 2.00
Glycol boriberate, dms.....lb. .22 - —
Phthalate, dms.....lb. .38 - —
Stearate, dms.....lb. .26 - —
Gold, U.S. purchase price.....oz.35.00 - —
Chloride, acid brown, both...oz.20.75 -21.00
yellow, bots.....oz.18.75 -19.00
Gold-soda chloride, phote., bets., oz.13.00 - —
USP IX, bots.....oz.14.50 -14.75
Gold of pleasure, seed, bgs....lb. .16 - .16½
Goldenseal, root, bls.....lb. 2.50 - 2.55
powd., bxs.....lb. 2.75 - 2.80
Grains of paradise, bgs.....lb. .40 - .41
Graphite, flake (crvst.), 90%, 325 mesh, 50% graphitic carbon, bgs., c.l., works..lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
l.c.l., works.....lb. .06½- —
amorph., powd., 90%, 325 mesh, 85% graphite carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic, carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04½- —
Grease, house.....lb. .04¾ Nom.
white .....lb. .05 Nom.
yellow .....lb. .04¾ Nom.
Wool (see Adeps lanae and Degras).
Green, chrome, CP, dark, light, medium, blue content up to 8%, bbls., divd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis..lb. .22 - —
11-15%, bbls., same basis..lb. .23 - —
16-20%, bbls., same basis..lb. .23½- —
21-25%, bbls., same basis..lb. .24 - —
26-30%, bbls., same basis..lb. .24½- —
31-35%, bbls., same basis..lb. .25½- —
36-40%, bbls., same basis..lb. .27 - —
41-45%, bbls., same basis..lb. .28½- —
46-50%, bbls., same basis..lb. .30 - —
Green, chrome, prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, ½c. higher divd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
reduced, CP, color content up to 5%, same basis..lb. .06 - —
9-10%, bbls., same basis, lb. .06¾- —
11-13%, bbls., same basis, lb. .07¼- —
14-16%, bbls., same basis, lb. .07½- —
17-19%, bbls., same basis, lb. .07¾- —
20-21%, bbls., same basis, lb. .08 - —
22-23%, bbls., same basis, lb. .08¼- —
24-25%, bbls., same basis, lb. .08½- —
26-27%, bbls., same basis, lb. .08¾- —
28-29%, bbls., same basis, lb. .09¼- —
30-31%, bbls., same basis, lb. .10 - —
32-33%, bbls., same basis, lb. .11¼- —
34-35%, bbls., same basis, lb. .12¼- —
36-40%, bbls., same basis, lb. .14¼- —
41-45%, bbls., same basis, lb. .16¼- —
46-50%, bbls., same basis, lb. .16¾- —
51-55%, bbls., same basis, lb. .17¼- —
56-60%, bbls., same basis, lb. .17¾- —
61-65%, bbls., same basis, lb. .18¼- —
66-70%, bbls., same basis..lb. .19¼- —
71-75%, bbls., same basis, lb. .20¼- —
Oxide, dom., pure, bbls.....lb. .25 - —
ceramic, light shades, bbls., c.l., works..lb. .25 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .21 - .22
Tetrahydroxide, bbls.....lb. .88 - —
Paris (see P).

Green, tungstated, brilliant, kgs. lb. 2.50 - —
emerald, kgs.....lb. 2.25 - —
Verdigris (see V).
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .09 - .10
Guaiac resin, cs.....lb. .30 - .35
strained, cs.....lb. .80 - .85
Wood, bls.....lb. .04 - .05
Guaiacol, liq., dms.....lb. 1.65 - 1.67
Carbonate, lib. dms., 25 lbs..lb. 2.40 - 2.74
Gum, guarana, powd., cs.....lb. 1.20 - 1.25
Aloe (see A).
Ammoniac, tears, cs.....lb. .85 - .90
Arabic, amber, sorts, cleaned, bgs..lb. .14 - .15
white, sorts, 1, bgs.....lb. .35 - .36
powd., bbls.....lb. .18 - .20
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.65 - 1.75
Sumatra, cs.....lb. .19 - .20
Camphor (see C).
Chicle, prime, 33% moisture, bgs., ton lots..lb. No prices
Copal, Congo, 1 ,water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran..lb. .49¾- —
Gum, copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices on 30,000 lbs. min. apply to asorted lots of gums as well as one grading; l.c.l. prices are ½c. higher for 10 bgs. or over; ½c. higher for 1-9 bags.
2, water white, bgs., c.l., same basis..lb. .29½- —
3, selected pale straw bold. bgs., c.l., same basis..lb. .24¼- —

Gum, copal, Congo, 4, pale bold straw, bgs., c.l., same basis. lb. .24 - —
5, pale straw bold, bgs., c.l., same basis..lb. .22⅜- —
6, pale amber bold, bgs., c.l., same basis..lb. .21½- —
7, pale straw bold, bgs., c.l., same basis..lb. .17 - —
8, light amber bold, bgs., c.l., same basis..lb. .17 - —
9, medium light amber bold, bgs., c.l., same basis..lb. .13⅞- —
10, rescraped hard amber, bold, bgs., c.l., same basis..lb. .13⅝- —
11, hard dark amber bold, bgs., c.l., same basis.lb. .12⅝- —
12, selected bold sorts, bgs., c.l., same basis..lb. .11⅞- —
13, dark sorts bold, bgs., c.l., same basis..lb. .09¼- —
14, selected, fully scraped, ivory, bgs., c.l., same basis..lb. .23⅝- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .10⅝- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .09½- —
17, pale, fingers, bgs., c.l., same basis..lb. .18⅝- —
18, pale straw nubs, bgs., c.l., same basis..lb. .19¼- —
19, pale straw nubs, bgs., c.l., same basis..lb. .18⅝- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .13¼- —
21, ordinary selected nubs, c.l., same basis..lb. .12⅜- —

Glue—Gum, Copal

Gum, copal, Congo, 22, small mixed nubs, bgs., same basis..lb. .10¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .11⅜- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .17⅜- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis..lb. .09½- —
26, pale small nubs, c.l., same basis..lb. .10⅜- —
27, pale small nubs., bgs., c.l., same basis..lb. .10¼- —
28, pale dust, bgs., c.l., same basis..lb. .06¾- —
Batu, held scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .06 - —
chips, bgs., c.l., same basis, lb. .05¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs and chips, bgs., c.l., same basis..lb. .05¼- —
black, bold, scraped, bgs., c.l., same basis..lb. .08¾- —
unscraped, bgs., c.l., same basis..lb. .05¾- —
nubs and chips, bgs., c.l., same basis..lb. .06¼- —
Hiroe Macassar, pale bold, bgs., c.l., same basis..lb. .12¾- —
chips, bgs., c.l., same basis, lb. .06¾- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis..lb. .10¼- —

RCI BECKOSOL

SYNTHETIC RESIN No. 1334

SPECIFICATIONS:

Type . . . Pure Alkyd

Color 2L-3L

Acid No. 3-6

Viscosity . . . . Z_1-Z_2

Combines in One Vehicle:

- Pale Initial Color
- Good Color Retention
- Excellent Through Hardness
- Outstanding Durability

No. 1334 is a pure alkyd of the full oxidizing type which has many desirable properties and characteristics needed in the formulation of fine finishes.

This solution is of medium oil length, has good brushability, adheres well to all kinds of surfaces, remains very flexible upon aging and, in addition to good alkali, oil, grease and water resistance, is especially durable on exterior surfaces.

Write to Reichhold for more information and specifications on this outstanding synthetic resin. For any other formulating requirement involving synthetic resins, depend on the complete RCI line—your inquiries are welcomed.

REICHHOLD CHEMICALS INCORPORATED

DETROIT MICHIGAN

RCI WORLD-WIDE DISTRIBUTION

Gum, Copal—Lime, Hydrated

Gum, copal, Singapore, Rasak, bold, bgs., c.l., same basis, lb. .15¾- —
chips, bgs., c.l., same basis, lb. .08½- —
dust, bgs., c.l., same basis, lb. .05¼- —
nubs, bgs., c.l., same basis, lb. .11 - —
Manila, Boeas, amber and dark, bskts., c.l., same basis, lb. .13⅜- —
light, bskts., c.l., same basis..lb. .15⅝- —
Loba A, bskts., c.l., same basis..lb. .11¾- —
Loba B, bskts., c.l., same basis..lb. .11¾- —
C, bskts., c.l., same basis, lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .08½- —
D, bskts., c.l., same basis, lb. .12⅞- —
DK, bskts., c.l., same basis, lb. .08 - —
dust, bskts., c.l., same basis..lb. .06 - —
Sambas and white split chips, bskts., c.l., same basis..lb. .15⅝- —
Singapore, dust, bskts., c.l., same basis..lb. .06 - —
Spirit-soluble, CBB, bskts., same basis..lb. .10¾- —
DBB, bskts., c.l., same basis..lb. .10 - —
MA, bskts., c.l., same basis, lb. .07¾- —
MB, bskts., c.l., same basis, lb. .07¼- —
WS, bskts., c.l., same basis, lb. .10 - —
A/D, cs., c.l., same basis, lb. .13⅞- —
Philippine, Manila, amber sorts, bskts., c.l., same basis..lb. .08 - —
chips, pale, bskts., c.l., same basis..lb. .11¾- —
pale, small, bskts., c.l., same basis..lb. .09 - —
extra pale sorts, bskts., c.l., same basis..lb. .10½- —
nubs, bskts., c.l., same basis..lb. .13½- —
scraped, bskts., c.l., same basis..lb. .14¾- —
seeds and dust, bskts., c.l., same basis..lb. .08¾- —
Pontianak, bold, genuine bgs., same basis..lb. .15¾- —
mixed, bgs., c.l., same basis, lb. .14¾- —
split, bgs., c.l., same basis, lb. .13¾- —
chips, bgs., c.l., same bas's, lb. .10 - —
nubs, bgs., c.l., same basis, lb. .12¾- —
Dammar, Batavia, A, cs., c.l., same basis as copal..lb. .21⅝- —
A/C, cs., c.l., same basis..lb. .15¼- —
A/E, cs, c.l., same basis..lb. .12⅝- —
B, cs., c.l., same basis..lb. .20¼- —
C, cs., c.l., same basis....lb. .14⅝- —
D, cs., c.l., same basis....lb. .13¼- —
dust, cs., c.l., same basis..lb. .07⅝- —
E, cs., c.l., same basis...lb. .10 - —
F, cs., c.l., same basis....lb. .08 - —
Singapore, 1, cs., c.l., same basis..lb. .16⅝- —
2, cs., c.l., same basis....lb. .12¼- —
3, cs., c.l., same basis....lb. .07½- —
chips, cs., c.l., same basis.lb. .11 - —
dust, cs., c.l., same basis.lb. .07½- —
seeds, cs., c.l., same basis.lb. .09⅞- —
Elemi, cns., c.l., same basis as copal..lb. .08½- —
Ester, dms., dlvd., New England, N. J., eastern N. Y. and Pa., Del. and Md., 75,000 lbs., contrs. or single shipt., 10,000 lbs..lb. .06¼- .06¾
less than 10,000 lbs., same basis..lb. .06½- .07
dlvd. Western N. Y. and Pa., Ohio, Mich., Ind., Ill., Wis., Minn., Iowa, Mo., Ky., Va., W. Va. and N. C., 75,000 lbs., contrs. or straight, c.l..lb. .06¾- .07
dlvd. elsewhere, 75,000 lbs., contrs. or straight, c.l.lb. .07 - .07½
l.c.l., same basis.....lb. .07¼- .07¾
Euphorbium, cs.....lb. .50 - .55
Galbanum, cs.....lb. 1.05 - 1.10
Gamboge, pipe, cs.....lb. .75 - .80
powd., bbls.....lb. .80 - .85
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya, bbls., bxs., dms....lb. .14 - .33
Kauri, brown, XXX, cs., c.l.lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
80%, chips, cs., c.l., same basis..lb. .12½- —
pale, XXX, cs., same basis.lb. .61 - —
1, cs., c.l., same bassi....lb. .41 - —
2, cs., c.l., same basis....lb. .24 - —
3, cs., c.l., same basis....lb. .17¾- —
Kino, tins.....lb. No prices
Locust bean, powd., bbls.....lb. Nominal
Mastic, cs.....lb. 1.50 - 1.60
Myrrh, USP cs.....lb. .45 - .50
Olibanum, siftings, cs.....lb. .09 - .10
tears, cs.....lb. .20 - .35
Opiums (see O).
Rosin (see R).
Sandarac, cks.....lb. .50 - .55
Scammony, cs.....lb. 1.10 - 1.75
Talha, bgs.....lb. .14 Nom.
Thus, bbls.....280 lbs. 15.00 -15.25
Tragacanth, Aleppo, 1 cs....lb. 2.75 - 2.85
2 cs.....lb. 2.45 - 2.60
3 cs.....lb. 2.10 - 2.20
Yucca, bgs.....lb. .03½- .04
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 22.45 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
Harlem River, N. Y., frt. equald..ton. 13.06 - —
New Brighton, N. Y., frt. equal..ton. 27.65 - —
Southard, Oklahoma, frt. equald..ton. 17.00 - —
Sweetwater, Texas, frt. equald..ton. 21.45 - —
Plaster of Paris, paper bgs., f.o.b. Blue Rapids, Kans., frt. equald..ton. 12.50 - —
Acme, Tex., frt. equald. ton. 12.50 - —
Medicine Lodge, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 13.00 - —
Southard, Oklahoma, frt. equald..ton. 12.50 - —
Sweetwater, Texas, frt. equald..ton. 12.50 - —
Gypsum, stucco, paper bgs., c.l., f.o.b. Acme, Tex.; Akron, N. Y.; Blue Rapids, Kan.; Clarence Center, N. Y.; Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; Harlem River, N. Y.; National City, Mich.; New Brighton, N. Y.; Plasterco, Va.; Portsmouth, N. H.; Roton, Tex.; Saltville, Va.; Southerd, Okla.; Sweetwater, Tex.; frt. equald., ton. 8.00 - —
terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y.; Southard, Okla., frt. equald..ton. 12.00 - —
import, bgs., ex dock.....ton. 28.00 Nom.

H

Hawthorn berries, bgs.....lb. .45 - .46
Heliotropin, cryst., cns.....lb. 3.00 - 3.20
Hellebore root, white, powd., bbls., lb. .18 - .19
Helonias root, bls.....lb. .53 - .55
Hematine crystals, bbls.....lb. .20 - .30
Hemlock bark extract, 25%, tan, c.l., bbls., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03⅝- —
tanks, works.....lb. .02⅝- —
Hempseed, Manchur, bgs.....lb. .06¼- .06⅝
Henbane leaves, bls.....lb. 1.75 Nom.
Henna leaves, bls.....lb. .30 - .32
powd., bbls., bxs.....lb. .35 - .37
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .11 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .08½- —
normal, 86-100°, dms., c.l., Group 5..gal. .11½- —
c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .09 - —
Hexaldehyde, normal, dms., l.c.l., works..lb. 1.10 - —
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more, shipments, f.o.b. Perth Amboy or N.Y.C..lb. .32 - —
150 to 1,350 lbs., shipments, same basis..lb. .33 - —
USP, dms., 500 lbs. or more, shipments, same basis..lb. .38 - —
lib. ctns., same basis.....lb. .40 - —
Hexane, normal, tanks, Group 3, gal. .09¾- —
dms., c.l., dlvd., Group 3..gal. .24 - —
l.c.l., 5 or more, dlvd., Group 3..gal. .29 - —
1-5, dlvd., Group 3.....gal. .38 - —
laboratory grade, dms., c.l., Group 3..gal. .14 - —
l.c.l., Group 3.....gal. .25 - —
Hexanol, dms., l.c.l., works....lb. .25 - —
Homatropine hydrobromide, 25 oz. bots..oz. 15.00 -15.25
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago..unit. 2.75 - 2.80
Hops, N.F., bls.....lb. .20 - .21
Horehound, bls.....lb. .15 - .16
Hydrangea root, bls.....lb. .08 - .09
Hydrastine, bots., 4 ozs.....oz. 20.00 - —
Hydrochloride, bots., 4 oz...oz. 20.00 - —
Sulphate, bots., 4 ozs.....oz. 21.75 - —
Hydrastinine, 15 grs., bots...bot. 1.95 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls.lb. .03¾- .04
100 vols., cbys., E. of Miss. River: West Coast via Panama canal..lb. .16 - .18½
Hydroquinone, dealers, bbls., dms. lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots...oz. 65.00 -75.00
Hydrochloride, bots.....oz. 65.00 -75.00
Hyoscyamine, bots.....oz. 21.25 - 22.25
Hydrobromide, bots.....oz. 21.25 -22.25
Sulphate, bots.....oz. 21.25 -22.25
Hypernic, ext., liquid, 50°, bbls. lb. .14 - —

I

Iceland moss, bls.....lb. .25 - .27
Ichthyol, bots.....lb. 4.00 - —
Indian red (see Red, Indian).
Indigo, nat., Madras, cs.....lb. 2.14 - 2.20
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indium metal.....oz. 12.50 - —
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs...lb. 1.67 - —
kgs., 150 lbs., less 5% ex whse, Staten Island..lb. 1.35 - 1.44
resubl., bots., 5 lbs.....lb. 1.85 - —
jars, 50 lbs.....lb. 1.75 - —
tincture, USP, bbls., 47 gals. gal. 2.00 - —
cbys., 5 gals.....gal. 2.05 - 2.10
mild, bbls., 47 gals.....gal. 1.25 - —
cbys., 5 gals.....gal. 1.30 - 1.35
Iodoform, dms., 100 lbs.....lb. 3.95 - 4.10
jars.....lb. 4.20 - —
Ionone, alpha, bots.....lb. 2.75 - 2.80
Alpha, extra, bots.....lb. 3.75 - 3.80
beta, bots.....lb. 3.10 - 3.15
beta, bots.....lb. 3.90 - 3.95
Ipecac root, bgs.....lb. 1.10 - 1.15
powd., bxs.....lb. 1.25 - 1.30
Irish moss, ordinary, bls.....lb. .25 - .28
powd., 80-90 mesh, bbls..lb. .35 - .38
prime bleached, bls.....lb. .32 - .35
Iron acetate, N. F., IV, 100-lb. cbys..lb. .15 - —
djns., 50 lbs.....lb. .16 - —
liquor, bbls., c.l., dlvd....lb. .03 - —
l.c.l., dlvd.....lb. .04 - —
Chloride (ferric), tech., anhydr., 390-lb. dms..100 lbs. 4.65 - 6.25
150-lb. dms.....100 lbs. 5.00 - 6.00
cryst., bbls., works, frt. alld. or equald..lb. .05 - .06
kegs, works, frt. alld. or equald..lb. .07½- .09
liquor, cbys., works, frt. alld. or equald..lb. .03 - .06
USP X, cryst., bbls.....lb. .07½- —
kegs.....lb. .08½- —
solut. cbys., works, frt. alld. or equald..lb. .06½- .07
djns.....lb. .07½- —
Citrate, USP VIII, pearls...lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., bgs., 1,000-lb. lots..lb. 3.15 - —
smaller lots.....lb. 3.25 - —
cns., 25 lbs.....lb. 3.37 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 3.18 - 3.33
syrup, djns.....gl. .90 - —
bots.....lb. .83 - —
Nitrate, red, tech., dms.....lb. .03¾- .04
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.).
other points.....lb. .06 - —
Iron, phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scale, cns., 50 lbs.....lb. .50 - —
25 lbs.....lb. .52 - —
ferrous, 200-lb. bbls.....lb. .35 - —
25-lb. bxs.....lb. .40 - —
100-lb. kgs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 99%, cs.....lb. .65 - .75
Sulphate, tech. (see Copperas and ferrie sulphate).
Sulphate, USP, cryst., 275-lb. bbls.....lb. .04¼- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .35 - .38
pearls, cns.....lb. .35 - .38
scales, cns.....lb. .47 - .50
Iron-oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .22½- —
kgs.....lb. .25½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .46 - —
Iron-soda oxalate, bxs.....lb. .30 - —
fib. dms.....lb. .23½- —
kgs.....lb. .25½- —
Isobutylacetate, 85 - gal. dms., works..lb. .0780- —
tanks, works.....lb. .0690- —
Propionate, dms., works.....lb. .09¼- —
Isopentane, 80-gal. dms., single, works..gal. .43 - —
10-gal. dms., single, works..gal. .55 - —
Isophorone, dms., works.....lb. .25 - —
Isopropylamine, dms., works...lb. .35 - —
Isopropanol (see Alcohol, isopropyl).
Isopropyl acetate, dms., 5 gals., E. of Rockies, frt. alld..lb. .11 - —
55 gals., c.l., E. of Rockies, frt. alld..lb. .07½- —
55 gals., l.c.l., E. of Rockies, frt. alld..lb. .08 - —
tanks, E. of Rockies, frt. alld..lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., 5 gal., frt. alld., gal. .55 - —
55 gals., c.l., E. of Miss., frt. alld..gal. .35 - —
55 gals., c.l., W. of Miss., frt. alld..gal. .39 - —
l.c.l., E. of Miss., frt. alld., gal. .44 - —
tanks, E. of Miss., frt. alld., gal. .25 - —
W. of Miss., frt. alld., gal. .29 - —

J

Jaborandi leaves, bls.....lb. .11 - .12
Jalap root, NF, bls.....lb. .28 - .31
powd., bbls., bxs.....lb. .30 - .32
resin, lump, 100-lb. lots, cns.lb. 5.85 - —
powd., bxs.....lb. 5.90 - —
Juniper berries, bgs.....lb. Nominal

K

Kamala, tins.....lb. .30 - .32
Kaolin (see China clay).
Kava kava root, bls.....lb. .14 - .16
Kerosene at refinery:—
Bayonne, 41-43 w.w., tanks, gal. .0330- —
California (f.o.b. San Francisco) truck..gal. .11½- —
Gulf ports, p.w., bulk.....gal. .07½- —
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .03⅜- .04¼
Oklahoma-Texas, 41-43 w.w., tanks..gal. .03⅜- .04⅛
Pennsylvania, 45 w.w., tanks, gal. .05 - .05¼
Kieserite, cal., 96-98% $MgSO_4$, bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .36 - .37
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 6.50 - 6.75
Middlewestern, tfrs....100 lbs. 6.25 - 6.35
Neutral, trcs.....100 lbs. 7.25 - 7.50
Western, choice, trcs..100 lbs. 6.40 - 6.50
Compound, trcs.....100 lbs. 8.75 - 9.00
Larkspur seed, bgs.....lb. 1.60 - 1.70
Laurel berries, bls.....lb. .25 - .26
Leaves, Greek, bls.....lb. .30 - .32
Turkish, bls.....lb. No stocks
Lavender flowers, ordinary, bls.lb. .50 - .55
medium, bls.....lb. .55 - .60
select, bls.....lb. .65 - .70
Lead acetate, white, broken, bbls., lb. .11 - —
cryst., bbls.....lb. .11 - —
gran., bbls.....lb. .11¾- —
powd., bbls.....lb. .11¾- —
Arsenate, bgs., c.l.....lb. .09 - .09½
l.c.l., bgs.....lb. .09½- .10
Lead arsenate prices are works or whse. basis, frt. alld .to dest. in lots of 96 lbs. or over: no frt. or truck allowance for works or whse. pick ups.
Blue, basic sulphate, bbls., c.l., dlvd. E..lb. .06¼- —
dlvd., Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .06¼- —
l.c.l., dlvd. E.....lb. .06½- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo..lb. .07 - —
Carbonate (see Lead, white).
Chloride, pure, bots., 5 lbs...lb. .62 - —
fib. dms., 25 lbs.....lb. .40 - —
Iodide, NF V, powd., 5-lb. bots., lb. 2.60 - —
jars.....lb. 2.55 - —
Linoleate, pale, precip., dms. lb. .19 - —
Metal (see daily quotations in market report).
Metallic, paste, 200-lb. cont., f.o.b. works..lb. .10 - —
5-lb. cont., f.o.b. works....lb. .22 - —
Nitrate, bbls.....lb. .11 - .14
Oleate, bbls.....lb. .18½- .20
Peroxide, powd., bbls., tech..lb. .23 - —
Red, dry, 95% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd. Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash.....lb. .0840- —
Other points.....lb. .0815- —
Lead, red, dry, 95% or less, Pb_3O_4, l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. Cascade Mts. in Ore. and Wash..lb. .08¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .09¼- —
Colo., Mont., N. Mex., Wyo..lb. .09 - —
other points.....lb. .09½- —
smaller lots, Ala., etc..lb. .09½- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09 - —
97%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0865- —
other points.....lb. .0840- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09½- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09¾- —
smaller lots, dlvd. Ala..lb. .09½- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¾- —
other points.....lb. .09½- —
98%, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., etc..lb. .0890- —
other points.....lb. .0865- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .09¾- —
Colo., etc.....lb. .09¾- —
other points.....lb. .09 - —
smaller lots, dlvd., Ala., etc..lb. .09½- —
Ariz., etc.....lb. .10¼- —
Colo., etc.....lb. .10 - —
other points.....lb. .09½- —
in oil, 95% min., 100-lb. kgs., lb. .12¾- —
Resinate, fused 15%, bbls...lb. .09¼- —
pale, bbls.....lb. .11¼- —
Silicate, bgs., 5 tons.....lb. 6.38 - —
smaller lots.....lb. 6.90 - —
Stearate, bbls.....lb. .25 - —
Sulphate (see Lead, white basic sulphate).
Titanate, bgs. or bbls., c.l. (20 tons), works, frt. alld..lb. .10¼- —
l.c.l., 5 tons, one delvy., E. frt. alld..lb. .10¼- —
Pac. Cst., ex whse....lb. .10¼- —
smaller lots, E. frt. alld..lb. .10¾- —
Pac. Cst., ex whse...lb. .10¾- —
White, dry, basic carbonate, bbls., c.l., dlvd., Ariz., Calif., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., dlvd., Ariz., etc..lb. .08 - —
other points.....lb. .07¾- —
basic sulphate, bbls., c.l., dlvd., Ariz., etc..lb. .06¾- —
other points.....lb. .06½- —
l.c.l., dlvd., Ariz., etc..lb. .07 - —
other points.....lb. .06¾- —
in oil, 100-lb. kgs., consumers, lb. .12¾- —
dealers.....lb. .10¾- —
painters.....lb. .11¾- —
Consumers' price and painters' price are ¼c. lower on orders of 500 lbs. or more.
Lecithin, 100%, cns., f.o.b., N. Y. or Chi..lb. 2.50 - —
edible, grade 1, dms., c.l., same l.c.l., same basis..lb. .47½- .65
grades 2 or 3, dom., c.l., same basis..lb. .47½- —
l.c.l., same basis.....lb. .50 - .67½
grade 4, dms., c.l., same basis..lb. .50 - —
l.c.l., same basis.....lb. .52½- .70
purified, cs., dms., c.l., same basis..lb. .65 - —
l.c.l., same basis.....lb. .67½- .85
tech., grade 1, dms., c.l., same basis..lb. .35 - —
l.c.l., same basis.....lb. .37½- .55
grade 2 or 3, dms., c.l., same basis..lb. .37½- —
l.c.l., same basis.....lb. .40 - .57½
grade 4, dms., c.l., same basis..lb. .40 - —
Lecithin prices quoted above are for goods packed in 25, 50 or 100-lb. dms. When goods are packed in 500-lb. dms. prices are 1c. per lb. less.
Lemon peel, bls.....lb. .13 .15
Licorice extract, mass, cs....lb. No prices
powd., bbls.....lb. No prices
root, cuttings, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .12 - .15
select, bdls., cs.....lb. .50 - .60
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b.
Bellefonte, Pa.....ton. 7.00 - —
Berkley, W. Va.....ton. 7.00 - —
Carey, Ohio.....ton. 7.00 - —
Cedar Hollow, Pa....ton. 8.50 - —
Crab Orchard, Tenn..ton. 6.25 - —
Eagle Mountain, Va..ton. 7.00 - —
Farnams, Mass.....ton. 8.00 - —
Gibsonburg, Ohio.....ton. 7.00 - —
Hannibal, Mo.....ton. 6.50 - —
Keystone, Ala.....ton. 7.00 - —
Knoxville, Tenn.....ton. 6.00 - —
Limedale, Ark.....ton. 7.00 - —
Longview, Ala.....ton. 6.25 - —
Manistique, Mich....ton. 8.00 - —
Martinsburg, W. V...ton. 7.00 - —
Menominee, Mich....ton. 8.00 - —
Mitchell, Ind.....ton. 8.50 - —
Newala, Ala.....ton. 6.25 - —
Rincon, Ga.....ton. 13.00 - —
Ripplemead, Va.....ton. 7.00 - —
Riverton, Va.....ton. 7.00 - —
San Francisco, Cal...ton. 13.00 - —
Scioto, Ohio.....ton. 6.50 - —
Springfield, Mo.....ton. 7.00 - —
Woodville, Ohio.....ton. 7.00 - —
York, Pa.....ton. 7.00 - —
hydrated, paper bags, f.o.b.
Bellefonte, Pa.....ton. 8.50 - —
Berkley, W. Va.....ton. 8.50 - —
Buffalo, N. Y.....ton. 10.00 - —
Carey, Ohio.....ton. 8.50 - —
Cedar Hollow, Pa....ton. 8.00 - —
Crab Orchard, Tenn..ton. 9.00 - —
Eagle Mountain, Va..ton. 9.00 - —
Farnams, Mass.....ton. 8.50 - —
Gibsonburg, Ohio.....ton. 8.50 - —
Hannibal, Mo.....ton. 8.50 - —
Keystone, Ala.....ton. 9.00 - —
Knoxville, Tenn.....ton. 9.00 - —
Le Roy, Minn.....ton. 10.00 - —
Lime Creek, N. M.....ton. 8.50 - —
Limedale, Ark.....ton. 9.00 - —
Longview, Ala.....ton. 9.00 - —
Louisville, Ky.....ton. 14.50 - —
Manistique, Mich....ton. 9.00 - —
Marblehead, Ohio....ton. 9.50 - —
Martinsburg, W. Va..ton. 8.50 - —
Mitchell, Ind.....ton. 9.00 - —
Newala, Ala.....ton. 9.00 - —
Potoskey, Mich.....ton. 9.00 - —
Port Island, Mich....ton. 9.00 - —
Rapid City, S. D....ton. 12.00 - —
Ripplemead, Va.....ton. 9.00 - —
San Francisco, Cal..ton. 16.00 - —
Springfield, Mo.....ton. 9.00 - —
Woodville, Ohio.....ton. 8.50 - —
York, Pa.....ton. 8.50 - —

Lime, spray, paper bgs., f.o.b. Bellefonte, Pa..ton. 9.00 - —
Carey, Ohio.....ton.11.00 - —
Farnams, Mass.....ton. 9.50 - —
Gibsonburg, Ohio....ton. 11.00 - —
Lime Crest, N. J....ton. 8.50 - —
Marblehead, Ohio....ton.11.00 - —
Scioto, Ohio.....ton.10.00 - —
Woodville, Ohio.....ton.11.00 - —
York, Pa.....ton. 9.00 - —

Lime salts (see Calcium).

Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dad., Neb., Kans., Okla., Tex..lb. .07½- .08½
dms., same basis.....lb. .10½- —
400 lbs., or more, bgs., same basis..lb. .07¾- .08¾
dms., same basis.....lb. .11 - —
less than 400 lbs., same basis. lb. .08½- .09½
dms., same basis.....lb. .12 - —
solution, Zone 1, dms., consumers..gal. .16 - —
Zone 2, tanks, dealers, wks., gal. .08½- —
30-50, dms.....gal. .11 - .16
Zone 3, tanks, dealers, dlvd., gal. .07½- —
30-50 dms.....gal. .10½- .14½
Zone 4, tanks, dealers, wks., gal. .08 - —
dms., wks., except Cal.gal. .12 - —
Zone 5, tanks, dealers, dlvd. gal. .10½- —
dms. .....gal. .12 - —
Zone 6, tanks, dealers....gal. .07½- —
30-50 dms.....gal. .10 - .14

Prices for lime sulphur solution are f.o.b. warehouse points, freight allowed. Zone 1: includes Ga., S. C., Ala., N. C., except the counties of Ashe, Surry, Stokes, Rockingham and Alleghany; Tenn., east of Tenn. river. Zone 2: New England States. Zone 3. Ark., Ohio, Ind., Ill., Ia., Ky., Wis., Minns., Mo. and Tenn. west of Tenn. River; Penn., eastern tier and W. Va. western tier. Zone 4: West of Rocky Mountains, except southern California, which makes up Zone 5. Zone 6: N. Y. east of Herkimer, N. J., Md., Del., Va., Pa.—all counties lying east of the western boundary of Bedford, Blair, Center, Clinton and Potter, W. Va.—counties of Mineral, Hampshire, Morgan, Berkeley, Jefferson, and Hardy, N. C.—counties of Ashe, Alleghany, Surry, Stokes and Rockingham.

Linalool, cns.....lb. 2.75 - 3.30
Linalyl acetate, cns.....lb. 3.20 - 4.25
Linden flowers, with leaves, bls.lb. .45 - .50
without leaves, bls.....lb. .50 Nom.
Linseed cake, bgs., export...ton.21.00 - —
meal, bgs.....ton.24.00 -25.00

Litharge, com'l powd., bbls., 20-tons, dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .0740- —
Other points.....lb. .0715- —
5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash..lb. .08¼- —
Colo., Mont., N. Mex., Wyo..lb. .08 - —
Other points.....lb. .07½- —
smaller lots, dlvd., Ala..lb. .08¼- —
Ariz., etc.....lb. .08¾- —
Colo., etc.....lb. .08½- —
Other points.....lb. .08 - —

Lithium bromide, bbls., 100 lbs., works, frt. equal'd..lb. 1.90 - —
50 lbs., works.....lb. 1.93 - —
25 lbs., works.....lb. 1.95 - —
Carbonate, 250-lb. bbls.....lb. 1.25 - —
100-lb. kgs.....lb. 1.30 - —
Chloride, 25-lb. jars.....lb. 1.65 - 1.70
Citrate, 250-lb. bbls.....lb. 1.40 - —
25-lb. dms.....lb. 1.45 - —
100-lb. kgs.....lb. 1.40 - —
Fluoride, bbls.....lb. 2.10 - 2.25
Iodide, 5-lb. bots.....lb. 4.85 - —
25-lb. jars.....lb. 4.70 - —

Lithopone, titanated (high-strength), bgs., c.l. (20 tons)..lb. .05¼- —
smaller lots.....lb. .05½- —
bbls., c.l., (20 tons).....lb. .05½- —
smaller lots.....lb. .05¾- —
ordinary, bgs., c.l. (20 tons).lb. .0385- —
smaller lots.....lb. .0410- —
bbls., c.l. (20 tons).....lb. .0410- —
smaller lots.....lb. .0435- —

Lithopone in car lots is delivered East or the Pacific Coast and in less than car-lot quantities delivered East or ex warehouse Pacific Coast.

Liverwort, leaves, bls.....lb. .60 - .65
Lobelia, herb, bls.....lb. .20 - .21
Seed, bgs.....lb. .35 - .36
Logwood extract, cryst., bbls..lb. .20 - .24
liquid, 51°, bbls.....lb. .10½- .12½
solid, bxs.....lb. .16½- .20½
Lovage root, dms., bls.....lb. .45 - .50
imported, bls.....lb. .45 Nom.
Lupulin, N. E., tins.....lb. 1.65 - 1.70
Lycopodium, cs.....lb. 4.50 - 4.75

M

Mace, Banda, cs.....lb. .45½- .46
Batavia, cs.....lb. .23 - .23½
Sisuw, cs.....lb. .30 - .31
West Indian, cs.....lb. .31 - .32
Madder, Dutch, bbls.....lb. .22 - .25
Magnesia, arsenate, dms.....lb. .18 - .20
Calcined, tech., USP, bbls., wks..lb. .26 - —
Carbonate, tech., Zone 1, c.l., bgs..lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07¼- —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¾- —
Zone 2, c.l., bgs.....lb. .06¼- —
bbls. .....lb. .07½- —
kgs. .....lb. .08¾- —
l.c.l., bgs.....lb. .07 - —
bbls. .....lb. .08¼- —
kgs. .....lb. .09¼- —
USP, Zone 1, c.l., bgs.....lb. .08 - —
bbls. .....lb. .09½- —
kgs. .....lb. .09¾- —
l.c.l., bgs.....lb. .09 - —
bbls., ...lb. .09½- —
kgs. .....lb. .10¾- —
Zone 2, c.l., bgs.....lb. .08 - —
bbls. .....lb. .09½- —
kgs. .....lb. .09¾- —

Magnesia, carbonate, USP, l.c.l., bgs..lb. .08¾- —
bbls. .....lb. .09¾- —
kgs. .....lb. .10¾- —
Other points.....lb. .09 - —
Magnesia:—Zone 1—Mass., Conn., R. I., N. Y., N. J., Pa., D. of C., Del. and Md., c.l., shipments, frt., equald., with Phillipsburg, Ambler, Plymouth Meeting, Valley Forge, and New York. On l.c.l. shipments, fr't alld., including dlvd. storedoor. Magnesia prices are f.o.b. Plymouth Meeting. Zone 2—Balance of U.S.; prices f.o.b. Plymouth Meeting, Ambler, Phillipsburg, Valley Forge, and New York.
Magnesium, chloride, anhyd., dom., bbls., dlvd..lb. .13 - —
flake, dom., bbls., wks., c.l., tons.32.00 - —
l.c.l., bbls., wks.....ton.39.00 -42.00
Hydroxide, med., 200-lb. bbls., 25-lb. dms.....lb. .25 - —
100-lb. kgs.....lb. .30 - —
Hypophosphate, cns., 100 lbs.lb. 1.45 - —
25 lbs.....lb. 1.60 - —
Oxide (see Calcined).
Palmitate, bbls.....lb. .33 Nom.
Peroxide, 15%, dms., works..lb. 1.00 - 1.35
Silicate (see Talc).
Silicofluoride, bbls.....lb. .11 - .11¼
Stearate, bbls., cns., c.l.....lb. .23 - —
1 ton.....lb. .24 - —
1,000-2,000 lbs.....lb. .25 - —
smaller lots.....lb. .26 - —
Sulphate (see Epsom salt).
Trisilicate, 1,000-lb. contracts, dms..lb. .40 - —
smaller lots, dms.....lb. .45 - —
cs., 500-lb. lots.....lb. .42 - —
100-lb. lots.....lb. .45 - —
5-lb. cns.....lb. .62 - —

Magnesite, cal., dom., bgs....ton.65.00 -70.00
Imports, bgs., duty paid...ton.70.00 Nom.
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash...ton.22.00 -25.00
dms., 25 lbs.....lb. .30 - —
kgs., 100 lbs.....lb. .38 - —
Malva flowers, black, bls.....lb. .90 - .95
blue, bls.....lb. .90 - .95
Leaves, bls.....lb. .40 - .45
Manaca root, bls.....lb. .33 - .34
Mandrake root, bls.....lb. .12 - .13
Manganese acetate, dms.....lb. .26½- —
Arsenate, bgs.....lb. .13 - .12½
Borate, tech., bbls.....lb. .15 - .16
Carbonate, bbls.....lb. .19 - —
Chloride, bbls.....lb. .14 Nom.
Dioxide, African, battery, 84-87%, bbls., 25-40 tons, works, ton.71.50 - —
5-15 tons, works.....ton.74.50 - —
½, 4 tons, works.....ton.79.50 - —
Caucasian, 85-90%, bbls., c.l., works..ton.74.00 - —
l.c.l., 5 tons, works....ton.77.00 - —
smaller lots, works..ton.82.00 - —
burlap bgs., c.l., works, ton.71.75 - —
l.c.l., 5 tons, works..ton.74.75 - —
smaller lots, works.ton.79.75 - —
paper bgs., c.l., works.ton.70.00 - —
l.c.l., 5 tons, works..ton.73.00 - —
Glycerophosphate, bbls., kgs., 1,000-lb. lots..lb. 2.80 - —
smaller lots.....lb. 3.00 - —
cns., 25 lbs.....lb. 3.13 - —
Hydrate, bbls., dlvd.....lb. .82 - —
Iodide, bots., 5 lbs.....lb. 5.55 - —
jars, 25 lbs.....lb. 5.70 - —
Linoleate, liquid, 4%, dms...lb. .18 - .19½
solid, precip., 8.2%, bbls...lb. .19 - —

Lime, Spray—Mercurial Oint.

Manganese, ore, Cuban, 51-52%, basis Atl. ports....unit-ton. .71 Nom.
Resinate fused, 5½%, bbls..ton. .06¼- .06½
precip., dms.....lb. .12 - —
Sulphate, anhyd, ton lots, works..lb. .10¼- —
single bbls., works.....lb. .10¾- —
fertilizer, 65%, MnSo, bgs., c.l., dlvd., South..ton.67.00 - —
l.c.l., bgs.....ton.65.00 -75.00
Mangrove bark, bgs., shipt...ton.34.00 - —
Manna flake, large, cs.....lb. 2.00 Nom.
small, cs.....lb. 1.80 Nom.
Mannitol, com'l grade, bbls., ton lots, works..lb. .35 - —
smaller lots, works.....lb. .40 - —
reagent grade, 50-lb. cs., or multiples, works..lb. .35 - —
Marble flour, bgs.....ton.12.00 -14.00
Marjoram, French, No. 1.....lb. .54 - .58
Tunisan, bls.....lb. .32 Nom.
Chilean .....lb. .11 - .11¼
Menthol, natural, Chinese, cs..lb. 3.90 - 4.00
Japanese, cs.....lb. 4.00 - 4.10
synthetic, USP, cs.....lb. 3.65 - —
Menthyl salicylate, tins, 100-lb. lots..lb. 3.00 - —
25-lb. lots.....lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs.....lb. 1.44 - —
25 lbs.....lb. 1.46 - —
50%, pails, 50 bs.....lb. 2.09 - —
25 lbs.....lb. 2.11 - —

Busy Days Ahead for the "Giant that Grew Overnight"

SYNTHETIC COATING RESINS — gigantic young industry of sixty-fold growth in a decade—has still to reach maturity. Research constantly develops new formulae for new applications.

As a pioneer producer of Phthalic Anhydride, Maleic (Toxilic) Anhydride and other synthetic organic chemicals, National confines its efforts to the development and manufacture of resin-chemical raw materials. Our production by direct manufacture assures an uninterrupted supply for the busy days ahead . . . never dependent for quality or quantity upon the production of other chemicals.

We invite your inquiry.

SYNTHETIC ORGANIC CHEMICALS

NATIONAL ANILINE & CHEMICAL COMPANY, INC.

Intermediates Division: 40 RECTOR STREET • NEW YORK, N. Y. • BOwling Green 9-2240

BOSTON . . . 150 Causeway St.
PROVIDENCE . 15 Westminster St.
CHICAGO . . . 357 W. Erie St.
PHILADELPHIA . 200-204 S. Front St.
SAN FRANCISCO . 517 Howard St.
CHARLOTTE . 201-203 W. First St.
GREENSBORO . Jefferson Standard Bldg.
ATLANTA . . . 140 Peachtree St.
NEW ORLEANS . Masonic Temple Bldg.
CHATTANOOGA . James Bldg.
PORTLAND, ORE. 730 West Burnside
TORONTO . . 137-145 Wellington St., W.

BRANCHES AND DISTRIBUTORS THROUGHOUT THE WORLD

Mercury—Oil, Linseed

Mercury (see Quicksilver).
Ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, 5-lb. bots.....lb. 3.02 - —
100-lb. fib. dms.....lb. 2.89 - —
25-lb. jars.....lb. 2.91 - —

Chloride (see Calomel).

Cyanide, cryst.....lb. 4.00 - 4.08
powd.....lb. 4.08 - 4.10

Iodide, red, NF, 5-lb. bots...lb. 4.71 - —
100-lb. fib. dms.....lb. 4.60 - —
yellow, 5-lb. bots.....lb. 4.81 - —
fib. dms., 100 lbs.....lb. 4.70 - 4.75

Nitrate ointment (see Citrine ointment).
Oxide, red, NF (see Red precipitate).
tech. (see Red, mercury oxide).
yellow, dom., tech., bbls...lb. 2.59 - —
USP, fib. dms., 50 lbs. or more...lb. 3.18 - —

Mercury and chalk, 5-lb. ctns..lb. 1.98 - —
25-lb. fib. dms.....lb. 1.96 - 1.99

Mesityl oxide, cns., works.....lb. .20¼- —
dms., c.l., divd.....lb. .16 - —
l.c.l., divd.....lb. .16½- —
tanks, divd.....lb. .15 - —

Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in...pkg. 1.50 - 1.75
composition, 5½x5½ in...pkg. 1.70 - 1.80
gold, XX deep, 23K, 3¾x3¾ in. pkg. 15.25 -15.75
3¾x3¾ in.....pkg. 16.15 -17.50
4x4 in.....pkg. 19.50 -20.00
3¾x5½ in.....pkg. 22.50 -23.00
5½x5½ in.....pkg. 24.50 -25.00
silver, 3¾x3¾ in.....pkg. 2.75 - 2.85

Metanitroparatoluidin, bbls.....lb. 1.05 - 1.10

Metaphenylenediamine, kgs.....lb. .65 - —

Metatoluylenediamine, kgs.....lb. .65 - —

Methanol, natural, producer group A, denat., grade tanks...gal. .45 - —
97%, tanks.....gal. .30 - —
95%, tanks.....gal. .29 - —

Methanol in drums, car lots, is 5c. per gal. higher, frt. alld., east of the Rocky Mts. Prices on the Pacific Coast are 8c. higher on tanks and 4c. per gal. higher on drums; car lots.

group B, pure, tanks, frt. alld. Zone, 1..gal. .30 - —
Zone 2.....gal. .32 - —
Zone 3.....gal. .34 - —
Zone 4.....gal. .34½- —
dms., c.l., Zone 1.....gal. .35½- —
Zone 2.....gal. .37½- —
Zone 3.....gal. .39½- —
Zone 4.....gal. .41½- —
l.c.l., Zone 1.....gal. .38 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .42 - —
Zone 4.....gal. .53½- —

group B, 95%, frt. alld., prices 2c. less than pure, all zones.

97%, frt. alld., prices 1c. less than pure, all zones.

Natural methanol sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Tenn., R. I., Vt., Va., W. Va., Wisc.; zone 2, Ala., Ark., Col., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore.; zone 4, Ariz., Cal., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash.

Synthetic, pure, dms., c.l., Zone 1, frt. allid..gal. .35½- —
2, frt. allid.....gal. .37½- —
3, frt. allid.....gal. .39½- —
4, frt. allid.....gal. .41½- —
l.c.l., Zone 1, frt. allid. or divd..gal. .38 - —
2, frt. allid. or divd..gal. .45½- —
3, divd., S. F. and L. A., gal. .43 - —
4, frt. allid. or divd..gal. .53½- —
tanks, Zone 1, frt. allid..gal. .30 - —
2, frt. allid.....gal. .32 - —
3, frt. allid.....gal. .34 - —
4, frt. allid.....gal. .34½- —

Synthetic methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., S. C., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal.; San Francisco, Cal.; also (c.l. only) Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.

Methyl acetate, 97-99%, dms., c.l., E. of Miss. R..lb. .10½- —
W. of Miss. R.....lb. .11½- —
l.c.l., dms., divd. E. of Miss. R..lb. .11 - —
W. of Miss. R.....lb. .12 - —
tanks, divd. E. of Miss.. R. lb. .09½- —
W. of Miss. R.....lb. .10½- —
tech., dms., c.l., divd., E. of Miss. R..lb. .07 - —
W. of Miss. R.....lb. .08 - —
l.c.l., divd., E. of Miss. R..lb. .07½- —
W. of Miss. R.....lb. .08½- —
tanks, divd., E. of Miss. R., lb. .06 - —
W. of Miss. R.....lb. .07 - —
Acetoacetate, dms., c.l., works, frt. allid..lb. .29½- —
Acetone, natural, group A, producers, E. of Rockies, frt. allid., tanks..gal. .32 - —
dms., c.l., same basis...gal. .37½- —
l.c.l., same basis...gal. .40 - —

Methyl acetone prices on Pacific Coast are 5c. per gal. higher on tanks and 4c. per gal. higher on drums, car lots.

Methyl acetone, natural, group B producers, tanks, Zone 1.gal. .32 - —
Zone 2.....gal. .34 - —
Zone 3.....gal. .36 - —
Zone 4.....gal. .36½- —
dms., c.l., Zone 1.....gal. .37½- —
Zone 2.....gal. .39½- —
Zone 3.....gal. .41½- —
Zone 4.....gal. .43½- —
l.c.l., Zone 1.....gal. .40 - —
Zone 2.....gal. .47½- —
Zone 3.....gal. .44 - —
Zone 4.....gal. .55½- —

Natural methyl acetone sales zones are:—Zone 1, Conn., Del., D. of C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis. Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo. Zone 3, Los A., San Fran., Seattle, Wash., Portland, Ore. Zone 4, Ariz., Cal., Mont., Nev., N. Mex., Ore., Utah, Idaho, Wash.

Methyl acetone, synthetic, tanks, Zone 1..gal. .34 - —
Zone 2.....gal. .42 - —
Zone 3.....gal. .45½- —
dms., c.l., Zone 1.....gal. .36 - —
Zone 2.....gal. .44 - —
Zone 3.....gal. .48 - —
l.c.l., Zone 1.....gal. .37 - —
Zone 2.....gal. .45½- —
Zone 3.....gal. .48½- —

Alcohol (see Methanol).

Anthranilate, bots.....lb. 2.10 - 2.25
Benzoate, cns., 25 lbs.....lb. .70 - 1.00
Bromide, cyl.....lb. .65 - .75
Chloride, refrigeration, 500 lbs., and up, machine mfrs. and jobbers, cylinders..lb. .32 - —
service men and consumers, cyl..lb. .36 - —
60 to 490 lbs., cyl., mach. mfrs. and jobbers..lb. .36 - —
service men and consumers, cyl..lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers..lb. .31 - —
service men and consumers, lb. .35 - —

Methyl chloride quotations are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180-lb. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.

Cinnamate, bis.....lb. 2.75 - 3.25
Formate, dms.....lb. .89 - —
Lactate, dms., l.c.l., divd.....lb. .80 - —
Iodide, bots.....lb. 2.68 - 2.80
Salicylate, dms.....lb. .55 - .57
cns.....lb. .37 - .40
Molybdated violet toner, bbls.lb. .35 - —
Methylamyl ketone, dms., works, l.c.l..lb. .25 - —
smaller containers, same basis, lb. .28 - —
Methylcellulose, dms, c.l., works, lb. .47 - —
2,000 lbs. or more, works, lb. .50 - —
100 to 1,999 lbs., works, lb. .55 - —
1 to 99 lbs., works.....lb. .60 - —
Methylcyclohexane, 98-100%, dms., works..lb. .16 - —
Methylcyclohexanol, 98-100%, dms., works..lb. .28 - —
Methylcyclohexanone, 98 - 100%, dms., works..lb. .32 - —
Methylene blue, medcl., kgs., 100 lbs.....lb. 2.00 - —
cns., 5 lbs.....lb. 2.25 - —
Chloride, dms., f.o.b. works..lb. .18 - .22
Methylethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - .07½
l.c.l., same terms.....lb. .07½- .08
tanks, same terms.....lb. .06 - .06½
Methylheptenone, bots.....lb. 2.45 - 2.60
Methylhexyl ketone, dms., tech., works..lb. .60 - —
Methylisobutyl ketone, dms., 55-gal., c.l., works..gal. .70 - —
l.c.l., works.....gal. .80 - —
smaller containers, works.gal. 1.00 - —
tanks, works.....gal. .70 - —
Methylnaphthyl ketone, dom., cryst., bots..lb. 3.25 - 3.50
imp., bots.....lb. 3.10 - —
Metronite pigment, 120 mesh, containers extra, c.l., f.o.b. Milwaukee..ton. 9.00 - —
l.c.l., same basis.....ton.11.00 - —
180 mesh., containers extra, c.l., same basis...ton.11.00 - —
l.c.l., same basis.....ton.13.00 - —
250 mesh., containers extra, c.l., same basis..ton.12.00 - —
l.c.l., same basis.....ton.14.00 - —
325 mesh., containers extra, c.l., same basis..ton.15.00 - —
l.c.l., same basis.....ton.17.00 - —
400 mesh, containers extra, c.l., same basis..ton.17.50 - —
l.c.l., same basis.....ton.19.50 - —
Mica, dry grd., amber, No. 1 quality, bgs., extra and returnable, c.l., works..ton.30.00 - —
l.c.l., 5,000 lbs., works, ton.40.00 - —
1,000 lbs., works..lb. .02 - —
500 lbs., works...lb. .02½- —
100 lbs., works...lb. .03 - —
refined, bgs., extra and returnable, c.l., works, ton.20.00 - —
l.c.l., 5,000 lbs. works, ton.30.00 - —
paint, bgs. extra and returnable, c.l., works..ton.35.00 - —
l.c.l., 5,000 lbs. works, ton.45.00 - —
1,000 lbs., works...lb. .02½- —
500 lbs., works...lb. .03 - —
roofing, bgs., extra and returnable, c.l., works..ton.20.00 - —
l.c.l., 5,000 lbs., works, ton.30.00 - —
paint, bgs extra and returnable,c.l., works...ton.40.00 - —
l.c.l., 5,000 lbs., works, ton.70.00 - —
wet-ground, paint or lacquer, bgs., c.l., frt. allid. E...lb. .04½- —
l.c.l., ex whse., or frt. allid. E..lb. .05 - —
paper, wall or coated, bgs., c.l., frt. allid. E..lb. .04¾- —
l.c.l., ex whse., or frt. allid. E..lb. .04¾- —
rubber, bgs., c.l., frt. allid. E..lb. .04¼- —
l.c.l., ex whse., or frt. allid. E..lb. .04¾- —
Biotite, bgs., c.l., frt. allid. E..lb. .03½- —
l.c.l., ex whse. or frt. allid. E..lb. .04 - —

wet-ground mica prices are ½c. per pound higher west of Rockies.

powder, skimmed, roller, bbls., c.l...lb. .07 - —
l.c.l. .....lb. .08 - —
spray, bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .08½- —
unskimmed, roller, bbls., c.l. lb. .15½- —
l.c.l. .....lb. .16½- —
spray, bbls., c.l.....lb. .16 - —
Millet seed, yellow, bgs.....lb. .0250- .0280
early fortune, bgs.....lb. .02½- .02¾
hulled, bgs.....lb. .06½- .06¾
Mineral spirits (see Petroleum thinners and VM & P naphtha).
Molasses, blackstrap, tanks, f.o.b. No. Atlantic ports..gal. .07 - —
f.o.b. Gulf ports.....gal. .06½- .06¾
Molybdate orange (see Orange, molybdate).
Molybdenum metal kgs., 99% powd..lb. 2.60 - 2.80
Trioxide, pure, kgs., basis Mo. content, works...lb. .95 - —
technical, kgs., basis Mo. content, works..lb. .80 - —

Monoamylamine, dms., c.l., wks. lb. .53 - —
l.c.l., works.....lb. .55 - .55
tanks .....lb. .50 - —
Monobutylamine, dms., c.l., wks. lb. .50 - —
l.c.l., works.....lb. .51 - .53
tanks, works.....lb. .48 - —
Monochlorobenzene, dms., l.c.l. lb. .06 - .06
Monoethanolamine, dms., c.l., works..lb. .24 - —
l.c.l., dms.....lb. .25 - —
tanks .....lb. .22 - —
Monoethylamine, basis 100% amine content, dms., l.c.l., works, lb. .65 - —
Monoethylanilin, dms .....lb. .77 Nom.
Monomethylamine, dms., c.l., divd..lb. .65 - —
l.c.l., divd.....lb. .70 - —
Monomethylpara-aminophenol sulphate, dms..lb. 3.75 - 4.00
Monosodiumphosphate (see Soda phosphate monobasic).
Morphine, bots., 5 ozs.....oz.11.10 - —
cns., 25 ozs.....oz.10.80 - —
Acetate, bots., 5 ozs.....oz. 9.00 - —
bots., 25 ozs.....oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz.10.75 - —
cns., 25 ozs.....oz.10.55 - —
Hydrobromide, bots., 5 ozs..oz. 8.95 - —
cns., 25 ozs.....oz. 8.75 - —
Sulphate, bots., 5 ozs.....oz. 8.95 - —
cns., 25 ozs.....oz. 8.80 - —
Morpholine, dms., 55 gals., l.c. works..lb. .67 - —
smaller containers, works...lb. .75 - —
Mullein leaves, cans.....lb. .15 - .16
flowers, cns.....lb. 2.00 Nom.
Musk, nat., Tonquin, grained, bots..oz.24.00 -26.00
synth., ambrette, cns., 100 lbs. or more..lb. 3.65 - —
5 lbs., to 75 lbs.....lb. 3.85 - —
1 lb.....lb. 3.95 - —
ketone, cns., 100 lbs. or more, lb. 3.70 - —
5 lbs. to 75 lbs.....lb. 3.95 - —
1 lb.....lb. 4.10 - —
xylol, cns., 100 lbs. or more, lb. 1.05 - —
5 lbs. to 75 lbs.....lb. 1.15 - —
1 lb.....lb. 1.20 - —
Musk root, bls.....lb. .50 - .60
Mustard seed, California, brown, lb. .15¾- .16¼
yellow, bgs.....lb. .16½- .17
Chinese, yellow, bgs.....lb. .09½- .10
Danish, yellow.....lb. .23 - .24
Dutch, yellow, bgs.....lb. .21 - .22
English, yellow, bgs.....No stocks
Montana, yellow, bgs.....lb. .11¼- .12
Roumanian, yellow.....lb. .15½- .16
Myrobalans, J1, bgs., f.a.s....ton.35.00 - —
J2, bgs., f.a.s.....ton.26.00 - —
Extract, liquid, 25%, bbls....lb. No prices
solid, 50%, bbls.....lb. No prices
powdered, 70%, bbls.....lb. .06 Nom.

N

Naphtha, Painters (see Petroleum, naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, crude, dom., 74 deg., tanks, works.....100 lbs. 2.25 - —
78 deg., tanks, works.100 lbs. 2.50 - —
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works..lb. .07 - —
50-lb. cs., same basis...lb. .07¼- —
pkgs. (16 oz.), same basis, lb. .07¾- —
(12 oz.), same basis..pkg. .06¼- —
Nerolin, cryst., cns.....lb. 1.25 - 1.35
Nickel carbonate, bbls.....lb. .36 - .36½
Chloride, bbls.....lb. .18 - .20
Cyanide, 100-lbs., dms.....lb. 1.40 - —
25-lb. bot.....lb. 1.50 - —
Oxide, black, bbls.....lb. .35 - .38
Salt, bbls.....lb. .13 - .13½
Nicotine sulphate, 40%, dms., works, frt. allid..lb. .703 - —
10-lb. tins.....lb. .86½- —
Nitercake, bulk, works.....ton.16.00 - —
Nitrobenzene, dbl. dist., dms., c.l. lb. .08 - —
l.c.l. .....lb. .09 - —
tanks .....lb. .07 - —
Nitrocellulose, alcohol-soluble, ½, and 40 sec. vis., bbls., works, lb. .28 - —
bronzing, 20, 40, 70 sec. vis., bbls., works..lb. .29 - —
ester, soluble, 30-35 eps., ¼, ½ sec., bbls., c.l., dry weight, works..lb. .23 - —
l.c.l., cps., ¼, ½ sec., bbls., dry weight, works..lb. .26 - —
ester-soluble, 5-6, 15-20, 30-40, and 60-80 sec., bbls., c.l., dry weight, works..lb. .20 - —
l.c.l., 5-6, 15-20 sec., high vis., bbls., works..lb. .25 - —
lacquer, 20-30 and 60-80 sec., vis., bbls., works..lb. .20 - —

Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.

Nitroethane, l.c.l., dms., works, lb. .25 - —
Nitrogen solution, nitrogen basis, tanks, f.o.b. Atlantic and Gulf ports..unit-ton.1.2158- —
Nitrogenous fertilizer material, dom., 10% ammon., bulk f.o.b. Carrollville, Wis., divd..unit-ton. 2.00 - —
f.o.b. Chemical, Ill., unit-ton. 2.00 - —
f.o.b. East Coast producing points..unit-ton. 2.20 - —
import, bgs., c.i.f. Atlantic ports, shipt..unit-ton. No prices
Nitromethane, l.c.l., dms., works, lb. .25 - —
Nitronaphthalene, bbls.....lb. .24 - .25
Nitropropane I, l.c.l., dms., works, lb. .25 - —
II, same basis.....lb. .25 - —
Nutgalls, Alleppo, bgs., cs.....lb. .27 - .29
Chinese .....lb. .16 - .17
Extract (see Gall extract).
Nutmegs, E. I., 80s, bgs., cs..lb. .18 - .18½
110s, bgs., cs.....lb. .16 - .16⅔
small, grinding, bgs.....lb. .13½- .14
West Indian, bgs.....lb. .09½- .10
Nux vomica, bls., bgs., cs....lb. .05 - .06
powd., bbls., bxs.....lb. .08 - .09

O

Oakbark extract, 25% tan., bbls., c.l., works..lb. .03¼- —
l.c.l., bbls., works.....lb. .03¾- —
tanks .....lb. .02¾- —
Ocher (see Yellow).
Octane, 100-140° C., mixed, dms., c.l., G.3..gal. .12½- —
l.c.l., G.3.....gal. .17 - —
tanks, G.2.....gal. .10½- —

Octanol, normal, tech., 366-lb. dms., divd..lb. .35 - —
Oil, almond, bitter, artif. (see Benzaldehyde).
natural, bots.....lb. 3.00 Nom.
s.p.a., bots.....lb. 2.85 - 3.00
sweet, true, exp., cns.....lb. 1.15 - 1.20
Amber, crude, cns.....lb. .38 - .40
ref'd, cns.....lb. 1.20 - 1.25
Amyris, cns.....lb. 3.00 - 3.25
Angelica, seed, bots.....lb.90.00 -100.00
Anilin (see A).
Anise, USP, cns., dms.....lb. .80 - .90
Apricot, kernels, cns.....lb. .43 - .44
Bay, W. I., 50-55% phenols, cns..lb. 1.10 - 1.15
55-60% phenols, cns.....lb. 1.20 - 1.25
Bergamot, artif., cns.....lb. 2.50 - 3.50
natural coppers.....lb.14.00 Nom.
Birch (see Oil, sweet birch).
Birchtar rectified, cns.....lb. 1.25 - 1.30
crude, cns.....lb. .48 - .50
Bois de rose, Brazil, cns.....lb. 1.95 - 2.00
Cade USP IX (see Oil Juniper tar).
Cajeput, tech., dms.....lb. .65 - .70
USP IX, cns.....lb. .75 - .80
Calamus, cns.....lb. 8.25 - 8.50
Camphor, sassafrasey, cns..lb. .25 - .26
dms. .....lb. .22 - .23
white, cns.....lb. .25 - .26
dms. .....lb. .22 - .23
Cananga, native, cns.....lb. No stocks
rectified, cns.....lb. No stocks
Capsicum (oleoresin), USP VIII, cns..lb. 3.50 - 3.75
Caraway, USP, cns.....lb. 7.00 Nom.
Cardamom, bots.....lb.16.00 -18.00
Cassia, USP, cs., dms.....lb. 1.65 - 1.70
Castor, blown, one-way dms., c.l..lb. .11¾- —
l.c.l. .....lb. .12¾- —
cold pressed, USP, bbls., c.l., lb. .10¼- —
l.c.l. .....lb. .11 - —
cns. (1-gal.), l.c.l.....lb. .14 - —
dms. (returnable), c.l..lb. .10 - —
l.c.l. .....lb. .10¾- —
(5-gal.), l.c.l.....lb. .12 - —
tanks .....lb. .06¼- —
dehydrated, dms., c.l.....lb. .1320- —
l.c.l. .....lb. .1360- —
tanks .....lb. .12½- —
extracted No. 3, tech., bbls., c.l..lb. .09¾- —
l.c.l. .....lb. .10½- —
dms. (returnable), c.l....lb. .09½- —
l.c.l. .....lb. .10¼- —
tanks .....lb. .09 - —
sulphonated, 50% (48% fat), dms., c.l..lb. .06½- —
l.c.l. .....lb. .07½- —
75% (63% fat), dms., c.l..lb. .09¼- —
l.c.l. .....lb. .10¼- —
80% (68% fat), dms., c.l..lb. .09½- —
l.c.l. .....lb. .10½- —

Castor oil, USP, and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and E. St. Louis; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way drums, ¼c. higher, all points.

Cedarleaf, cs.....lb. .90 - .95
dms. .....lb. .85 - .90
Cedarwood, Southeast, cns..lb. .26 - .27
dms .....lb. .24 - .25
Celery, bots.....lb.15.00 -16.00
Chaulmoogra, USP, cns.....lb. .72½- —
Chinawood, dms.....lb. .27½- —
tanks .....lb. .26½- —
Cinnamon, Ceylon, bots.....lb. 9.75 -27.00
Citronella, Ceylon, cns.....lb. .40 - .41
dms. .....lb. .38 - .39
Java, cns. dms.....lb. .37 - .39
Clove, makers, USP, cns.....lb. 1.15 - 1.20
dms. .....lb. 1.10 - 1.15
Coconut, Manila, crude, tanks, lb. .03¾- —
edible, 76°, dms. (returnable), c.l..lb. .08 - —
l.c.l. .....lb. .08½- —
tanks .....lb. .07¼ Nom.
Cod, Newf., bbls.....gal. .65 Nom.
Codliver, med., USP., bbls..bbl.67.00 -70.00
Coriander, bots.....lb.16.25 16.75
Corn, crude, tanks, wks.....lb. .06¾ Nom.
ref'd, bbls.....lb. .09½ Nom.
Cottonseed, cooking, bbls....lb. .08 - —
salad, bbls.....lb. .08½- —
Creosote (see C).
Croton, N. F., cns.....lb. 2.50 - 2.75
Cubeb, USP, cns.....lb. 3.00 - 3.25
Crude (see Petroleum, crude).
Cumin, bots. .....lb. 9.00 -10.00
Cypress, bots.....lb. 5.25 - 5.50
Degras (see D).
Dill seed, bots.....lb. 4.50 - 5.00
weed, bots.....lb. 5.50 - 6.75
Dip (see L).
Erigeron, cns.....lb. 2.20 - 2.30
Eucalyptus cns.....lb. .65 - .67
dms. .....lb. .63 - .65
Fennel, sweet, cns.....lb. 2.00 - 2.10
Gaultheria (see Oil, wintergreen leaf).
Geranium, Algerian, rose, cns., Bourbon, cns.....lb.14.25 Nom.
Turkish (see Palmarosa).....lb.14.00 Nom.
Grapefruit, cns.....lb. 1.60 - 1.65
Grapeseed, dom., dms.....lb. .35 - .36
imported, dms.....lb. .15 - .20
Ginger, dist., bots.....lb. 4.10 - 4.25
Guaiac wood, concrete, bots..lb. 3.50 - 3.75
Haarlem, tmp., bots.....gross No prices
Halibut liver, ref., dms...gal.40.00 - —
Hemlock, cns.....lb. .85 - .90
Juniper berry, USP XI, cns..lb. 9.00 Nom.
wood, tech., cns.....lb. .50 - —
Juniper tar, USP XI, cns....lb. .39 - .40
Lard, common.. 1, bbls.....lb. .08¼- —
2, bbls.....lb. .08 - —
extra, bbls.....lb. .08¾- —
1, bbls.....lb. .08¼- —
winter, strained, bbls.....lb. .08¾- —
prime, burning, bbls.....lb. .09½- —
prime, ined., bbls.....lb. .09¾- —
Laurel, bots.....lb. 5.00 Nom.
Lavandin, cns., 25 lbs.....lb. 3.25 Nom.
Lavender flower, French, 50% ester, cns..lb. 8.25 Nom.
38-42% ester, cns.....lb. 7.50 Nom.
35-38% ester, cns.....lb. 5.50 Nom.
30-32% ester, cns.....lb. 5.00 Nom.
garden, cns.....lb. .55 - .70
spike, Spanish, tech., cns..lb. 1.40 - 1.50
dms. .....lb. 1.35 - 1.50
Lemon, Calif., cns.....lb. 3.25 - —
Messina, coppers, cns.....lb. 4.75 - 5.00
Terpeneless, Type 1.....lb.10.50 -16.50
Type 2.....lb. 8.35 -14.50
Lemongrass, native, cns., dms., lb. .80 - .85
Lime, dist., cns.....lb. 5.00 - 5.50
expressed, cns.....lb. 8.00 - 8.50
Terpeneless, Type 1.....lb.67.50 -73.00
Type 2.....lb.46.50 -50.00
Linaloe wood, cns.....lb. 1.75 - 2.00
Linseed, raw, dms., c.l.....lb. .0950- .0970
L.c.l., 10 to 99.....lb. .0980- .1000
5 to 9.....lb. .1010- —
less than 5.....lb. .1030- —
tanks .....lb. .0880- .0900
Boiled linseed oil .004 cent over raw.

Oil, lovage, extra fine, bots.	lb.	85.00	- —
Lubricating, at refinery, ex tax			
California, neutrals, pale, 166-600 vis., 2½-4, tanks,	gal.	.07¼-	.11
red, 200-900 vis., 4-9½ pius, tanks, gal.		.07½-	.11¼
Group 3, bright stocks, 100-210 D,0-25 pour, tanks,	gal.	.13½-	.19
neutrals, 150-400 vis., 3-5½, 0-10 pour, tanks,	gal.	.08 -	.12
200-280 vis., 3, 15-25 pour, tanks.	gal.	.08 -	.10
Pennsylvania, bright stocks, 8 color, 140-150 vis., 10-25 pour, tanks.	gal.	.14 -	.16½
cylinder oils, 600-650 flash, tanks.	gal.	.09½-	.12
600-650 steam ref'd. tanks.	gal.	.08 -	.10
neutrals, 70° F., 3 color, 150 vis., 0-25 pour, tanks.	gal.	.19	.22½
200 vis., 0-25 pour, tanks.	gal.	.21 -	.24½
Mace, dist., cns., dms.	lb.	2.35	- 2.40
Mandarin, superior, coppers.	lb.	9.00	-10.00
Menhaden, crude, tanks, fut., Balte.	gal.	.35	Nom.
refd., alkali, dms.	lb.	.0980-	—
kettle-bodied, dms.	lb.	.1080-	—
light-pressed, dms.	lb.	.0900-	—
tanks	lb.	.0800-	—
Mineral, white (see Oil, white mineral).			
Mustard, artif., USP., bots., cns.	lb.	1.50	- 1.60
dist., natural, bots.	lb.	9.50	-10.00
Neatsfoot, 20° cold test, bbls.,	lb.	.15¼-	—
extra, bbls.	lb.	.09½-	—
1, bbls.	lb.	.08½-	—
prime, bbls.	lb.	.09 -	—
pure, bbls.	lb.	.10¾-	—
sulphonated, common, 25% moisture, dms.	lb.	.10½-	—
Neroli, bots.	lb.	200.00-	225.00
Nutmeg, dist., cns., dms.	lb.	2.35	- 2.40
Oleo, 1, bbls.	lb.	.07¾-	—
2, bbls.	lb.	.07⅛-	—
Officica, dms.	lb.	.18½-	.19½
Olibanum, bots.	lb.	5.00	- 5.25
Olive, denat., dms.	gal.	2.30	Nom.
edible, dms.	gal.	3.20	Nom.
foots, dms.	lb.	.10½	Nom.
sulphonated, 50%, (42% fat), dms., c.l.	lb.	.09½-	—
l.c.l.	lb.	.10½-	—
75% (63% fat), dms., c.l.	lb.	.12½-	—
l.c.l.	lb.	.13½-	—
80% (68% fat), dms., c.l.,	lb.	.127 -	—
l.c.l.	lb.	.137 -	—
Orange, sweet, dist., cs.	lb.	.90	- —
expressed, African, cns., dms.,	lb.	1.40	- 1.50
Calif., cns.	lb.	2.00	- —
Florida, cns.	lb.	1.25	- 1.30
Messina, USP, coppers.	lb.	5.00	Nom.
West Indies, cns.	lb.	2.25	- 2.50
terpeneless	lb.	42.00	-50.00
Origanum, cns.	lb.	1.05	- 1.45
Palm, Niger, dms.	lb.	.04¼	Nom.
shipment	lb.	.03¼	Nom.
softs, 12¼%, bulk, shipt.	lb.	.02¼	Nom.
Sumatra, shipt., bulk.	lb.	.02¼	Nom.
Palmarosa, cns.	lb.	3.00	Nom.
Paraffin, 320° flash, 60-70 vis., tanks, G. S.	gal.	.05¾-	—
350° flash, 70-80 vis., tanks, G. S.	gal.	.05½-	—
80-95 vis., bbls., extra, Ind. refy.	gal.	.12 -	—
350° flash, 100-105 vis., bbls., extra, Ind. refy.	gal.	.14 -	—
300° flash, 100-110 vis., tanks, G. S.	gal.	.05¾-	—
Patchouli, bots., cns.	lb.	4.75	- 5.25
Peanut, crude, dom., tanks.	lb.	.05¾	Nom.
refd., edible, bbls.	lb.	.08½	Nom.
Pennyroyal, dom., cns.	lb.	2.00	Nom.
import, cns.	lb.	2.25	- 2.50
Peppermint, natural, cns., dms.,	lb.	3.65	- 3.90
redist., USP, cns., dms.	lb.	3.90	- 4.15
Perilla, dms.	lb.	.18	Nom.
tanks	lb.	.17¼	Nom.
Petitgrain, Paraguay, cns.	lb.	1.40	- 1.50
Pimento berry, cns.	lb.	4.35	- 7.25
leaf, cns.	lb.	2.50	- 2.75
Pine, dest.-dist., straw-color, dms., dlvd., E. ports.	gal.	.50	- .55
steam-dist., dms.	gal.	.50	- —
tanks	gal.	.54	- —
Pineneedle, Siberian, cns.	lb.	1.30	- 1.40
Putty, bbls., E. Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19½-	—
Whiting, Ind.	gal.	.23 -	—
dms., c.l., Boston, Providence,	gal.	.25 -	—
l.c.l., same basis.	gal.	.27 -	—
tanks, same basis.	gal.	.18 -	—
Martinez, Cal.	gal.	.23 -	—
Rapeseed, blown, dms.	lb.	.17½-	—
denat., bbls.	gal.	.95	Nom.
Red, dist., or saponif., dms., dlvd.	lb.	.07¼-	.08¼
tanks, dlvd.	lb.	.06¾-	—
Rose, artif., bots.	oz.	1.35	- 2.25
natural, coppers.	oz.	5.50	-22.50
Rosemary, Spanish, cns.	lb.	.71	- .73
dms.	lb.	.63	- .64
Rosin, 1st rectfd., dms.	gal.	.40	- —
2d rectfd., dms.	gal.	.42	- —
3d rectfd., dms.	gal.	.46	- —
Rue, bots.	lb.	5.25	- 6.00
Sage, cns.	lb.	3.50	- 3.75
Sandalwood, E.I. USP, cns.	lb.	4.95	- 5.25
Mysore, cns., case lots.	lb.	5.50	- 5.75
Sardine, crude, fut., tanks, Pac. Cst.	gal.	.43	Nom.
refd., alkali, dms.	lb.	.0980-	—
kettle-bodied, dms.	lb.	.1080-	—
light-pressed, dms.	lb.	.0900-	—
tanks	lb.	.0800-	—
Sassafras, artif., cns.	lb.	.75	- —
dms.	lb.	.72	- —
natural, cns., dms.	lb.	1.00	- 1.25
Savin, cns.	lb.	6.00	Nom.
Savory, cns.	lb.	3.75	Nom.
Shark liver, crude, dms. million vitamin units.		.04	- .09
Sesame, crude, coast, tanks.	lb.	.07¾	Nom.
Shingle stains, bbls., c.l., works,	gal.	.19 -	—
l.c.l., works.	gal.	.20 -	—
tanks, works.	gal.	.14 -	—
Snakeroot, Canada, cns.	lb.	9.50	-10.50
Soybean, dom., crude, dms.	lb.	.0615-	.07
tanks	lb.	.053-	—
refd., dms.	lb.	.07¾-	.08½
tanks	lb.	.07 -	.07¾
Spearmint, dms.	lb.	2.75	- 3.00
Sperm, bleach, 38°, dms.	lb.	.1120-	—
45°, dms.	lb.	.1050-	—
natural, dms.	lb.	.1000-	—
Spruce, cns., dms.	lb.	.80	- .85
Oil, sweet, birch, North, cns.	lb.	2.25	- 2.65
South, cns.	lb.	1.55	- 1.70
Tall, crude, dms., c.l., works,	ton.	40.00	- —
l.c.l., works.	ton.	45.00	-50.00
tanks, works.	ton.	30.00	- —
distilled, dms., c.l., dlvd.	lb.	.05½-	.07
l.c.l., dlvd.	lb.	.06½-	.08¼
tanks, dlvd.	lb.	.05 -	.06¾
refined, dms., c.l., works.	lb.	.04 -	—
l.c.l., works.	lb.	.04¼-	—
tanks, works.	lb.	.03½-	—
Tallow, acidless, bbls.	lb.	.03¼-	—
tanks	lb.	.07⅞-	—
Tansy, cns.	lb.	4.25	- 4.50
Tar, pine, com'l, dms., c.l., dlvd.			
E. cities.	gal.	.26	- —
E. ports, c.l.	gal.	.25	- —
l.c.l.	gal.	.27	- —
tanks, dlvd. E. cities.	gal.	.20	- —
rectfd., USP, bbls., l.c.l., dlvd. E. ports.	gal.	.55	- —
Tar acid (see T).			
Teaseed, crude, dms.	lb.	No prices	
Tea tree (see Oil, Ti tree).			
Thyme, NF, red, dms.	lb.	1.40	- 1.50
white, dms.	lb.	1.70	- 1.80
Tung (see Oil, Chinawood).			
Ti tree, cns.	lb.	2.30	- 2.80
Turkey red (see castor, sulphonated).			
Turpentine (see T).			
Turtle, cns.	gal.	7.00	- —
Vetiver, bots.	lb.	5.25	- 9.50
Whale, ref., natural, dms.	lb.	.0910-	—
winter, bleach, dms.	lb.	.0950-	—
Wheat germ, cns., dms.	gal.	17.50	-25.00
Oil, white, mineral, dom., tech., 50-60 vis., dms.	gal.	.31	- .35
65-75 vis, dms.	gal.	.33	- .40
80-90 vis., dms.	gal.	.34	- .41
80-90 vis., dms.	gal.	.36	- .43
U.S.P., 95-105 vis., dms.	gal.	.40½-	.47½
125-135 vis., dms.	gal.	.45	- .53
140-150 vis., dms.	gal.	.49	- .55
175-185 vis., dms.	gal.	.53½-	.60½
200-210 vis., dms.	gal.	.56½-	.63½
320-330 vis., dms.	gal.	.64	- .71
335-345 vis., dms.	gal.	.65	- .72
Russian, 80-90 vis., dms.	gal.	No prices	
145-155 vis., dms.	gal.	No prices	
175-185 vis., dms.	gal.	No prices	
335-345 vis., dms.	gal.	No prices	
Wintergreen, natural, North, cns.	lb.	4.85	- 5.00
South, cns.	lb.	3.65	- 3.75
synth (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns.	lb.	2.70	- 2.80
Wormwood, cns.	lb.	4.50	- 4.75
Ylang-ylang, Bourb., bots., cns.,	lb.	7.00	Nom.
Manila, bots.	lb.	28.00	Nom.
Olivine, aggregate, c.l., mines,	ton.	7.00	-11.00
Lumps, same basis.	ton.	7.00	- —
Spalls, same basis.	ton.	5.00	- —
ground, 325 mesh c.l., mines,	ton.	20.00	- —
200 mesh, c.l., mines.	ton.	17.00	- —
100 mesh, c.l., mines.	ton.	15.00	- —
20 mesh to dust.	ton.	12.00	- —
Opium, gum, USP, 50-lb. lots, cns.	lb.	11.50	- —
25-lb. lots, cns.	lb.	11.75	- —
5-lb. lots, cns.	lb.	12.00	- —
1-lb. lots, cns.	lb.	12.15	- —

Prices on powd. and gran. USP opium are $1 per pound higher.

Oil, Lavage—Orthocresol

Orange, Lake, Persian, bbls.	lb.	.30	- .45
Mineral, Amer., bbls., 5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash.	lb.	.11¼-	—
Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.	lb.	.11¼-	—
Colo., Mont., N. M., Wyo.	lb.	.11¼-	—
Other points.	lb.	.11 -	—
smaller lots, dlvd., Ala. etc.	lb.	.11¾-	—
Ariz., etc.	lb.	.12¼-	—
Colo., Mont., N. M., Wyo.	lb.	.13 -	—
Other points.	lb.	.11¼-	—
French, Tours, casks, ex dock.	lb.	.13½-	—
kgs., ex dock.	lb.	.14½-	—
Molybdate, bbls.	lb.	.31	- —
Toner, bbls.	lb.	.30	- —
Orangeflower petals, cs.	lb.	.45	- .50
Orange peel, bitter, bis.	lb.	.09	- .10
sweet, bis.	lb.	.11	- .13
Orris root, Florentine, bgs.	lb.	.30	Nom.
fingers, cs.	lb.	1.00	Nom.
powd., bbls., bxs.	lb.	.85	Nom.
Verona, bis.	lb.	.75	Nom.
powd., bgs., cns.	lb.	.80	Nom.
Orthoaminidin, bbls.	lb.	.70	- —
Orthochloranilin, dms.	lb.	.90	- .95
Orthochlorophenol, dms.	lb.	.22	- —
Orthocresol, dms., c.l., works.	lb.	.16	- —
l.c.l., same basis.	lb.	.16½-	—

American AROMATICS OF *Exceptional* QUALITY

AMERICAN manufactured Aromatic Chemicals . . . of exceptionally fine quality . . . are available to fulfill your requirements.

Our domestic industry is equipped to take care of practically every perfume problem confronting the manufacturer of soap, perfume or cosmetics.

Our line of pure aromatic chemicals is being steadily augmented and will allow the American perfumer to produce for the American Public a line of interesting perfumes of infinite variety.

Among the leading items produced are:

ALPHA AMYL CINNAMIC ALDEHYDE
IONONE COMPLETE
PARA CRESOL ETHYL ETHER
PARA CRESOL METHYL ETHER
PHENYL ETHYL ALCOHOL

PRODUCT GL 4C—A non-toxic wetting agent with excellent foaming qualities for Liquid Dentifrices, Soapless Shampoos, Brushless Shaving Creams, etc.

COLLORESIN—Replaces Gum Tragacanth satisfactorily.

INDOL—Now first produced in this country.

The following raw materials also of Domestic Manufacture have proven themselves in the Soap and Perfume industry. The rapid rise in their sale indicates their value.

CYCLAMAL • CITRONAL • FLORANOL • ROSEFOLIA

100% Pure—Soap fast—Free from irritation. Will not discolor.

Requests for samples on your firm's letterhead will be promptly answered.

Protect your source of supply by using the above products manufactured in the U.S.A.

Aromatics Division
GENERAL DRUG COMPANY
644 Pacific St., Brooklyn, N.Y.
Transportation Bldg., Los Angeles
9 S. Clinton St., Chicago
1019 Elliott St., W., Windsor, Ont.

Orthodichlorben.—Pet.

Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06	—
l.c.l., same basis	lb.	.07	—
100-lb. tins, same basis	lb.	.08	—
50-lb. tins, same basis	lb.	.09	—
tanks, same basis	lb.	.05½	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniln, dms	lb.	.55	—
Orthonitrochlorobenzene, dms.	lb.	.15	- .16
Orthonitroparachlorophenol, cns.	lb.	.75	—
Orthonitrotoluene, dms	lb.	.09	—
Orthophenetidin, dms	lb.	.80	—
Orthotoluidin, dms	lb.	.19	—
Osage orange extract, cryst., bbls.	lb.	.21	—
liquid, 42°, bbls	lb.	.09	—
51°, bbls	lb.	.10	—
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50	—
bots., cns., 1-50 lbs	lb.	3.65	- 4.00
Orthotoluene hydrochloride, dms.	lb.	.22	—
Sulphonate, kgs	lb.	2.00	- 2.05

P

Papain, powd., cs	lb.	1.40	- 1.45
Paprika, Algerian, bgs	lb.	.33	- .34
Bulgarian, bgs	lb.	.29½	- .30
Portugese, extra fancy, bgs.,	lb.	.31	- .31½
medium, bgs	lb.	.27	- .28
Spanish, extra fancy, cs	lb.	.38	- .39
medium, cs	lb.	.36	- .37
Parachlorophenol, dms	lb.	.32	—
Paracymene, refd., dms	gal.	.75	- 1.25
Paradichlorobenzene, dms., c.l.	lb.	.11	- .12
l.c.l.	lb.	.12½	- .13½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.0250-	.0265
bbls., c.l., N.Y.	lb.	.0250-	.0265
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.0250-	.0270
bbls., c.l., N.Y.	lb.	.0250-	.0270
yellow, 124-126 A.m.p., bbls., c.l., N.Y.	lb.	.0250-	—
fully refd., bgs., 128-125 A.m.p., bgs., c.l.	lb.	.0670-	—
128-130 A.m.p., bgs., or loose, c.l.	lb.	.0570-	—
131-133 A.m.p., bgs., or loose, c.l.	lb.	.0595-	—
133-135 A.m.p., bgs., or loose, c.l.	lb.	.0625-	—
135-137 A.m.p., bgs., or loose, c.l.	lb.	.0650-	—
138-140 A.m.p., bgs., or loose, c.l.	lb.	.0725-	—
143-145 A.m.p., bgs., or loose, c.l.	lb.	.0820-	—
151-153 A.m.p., bgs., or loose, c.l.	lb.	.15	Nom.

Refined paraffin prices in cases are ½c. lb. higher than bags price; solid in tankcars is 5c. lower.

match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03½	—
semi-refd., solid, 122-124 A.m.p., bgs.	lb.	.03	—
Paraformaldehyde, dms., 1,000 lbs. or more, shipments, f.o.b. Perth Amboy, Philadelphia, or N.Y.C.	lb.	.23	—
100 to 900 lbs. shipments, same basis	lb.	.24	—
Paraldehyde, tech., 98%, 55 and 110-gal. dms., c.l., works	lb.	.10	—
l.c.l., works	lb.	.11½	—
5 and 10-gal. dms., works	lb.	.15	—
USP, cs., cbys	lb.	.37	- .45
Paranitrophenol, kgs	lb.	.35	—
Paranisidine, dms	lb.	.75	—
Paranitroaniln, kgs., works	lb.	.45	—
Paranitrochlorobenzene, kgs.	lb.	.15	—
Paranitrotoluene, kgs.	lb.	.30	—
Paraphenylenediamine, bbls.	lb.	1.25	- 1.30
Paratoluenesulphonamide, bbls.	lb.	.70	—
Paratoluidin, bbls.	lb.	.48	—
Pareira brava root, bls.	lb.	.20	- .21
Paris green, dealer, dms., bbls., c.l., f.o.b. works, frt. alld.	lb.	.23	- .25
l.c.l., same basis	lb.	.24	- .26
Passion flower, herb, bls.	lb.	.06	- .07
Patchouli leaves, bls.	lb.	.28	- .30
Pellitory root, bls.	lb.	.30	- .32
Pennyroyal leaves, bls.	lb.	.15	- .16
Pentachlorophenol, dms., works,	lb.	.20	- .25
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.11½	—
l.c.l., G.3	gal.	.16	—
tanks, G.3	gal.	.07	- .08½
laboratory grade, dms., c.l., G.3,	gal.	.14	—
l.c.l., G.3	gal.	.25	—
Pepper, black, Alleppy, bags.	lb.	.07¾	Nom.
Lampong, bags	lb.	.0430-	.0450
Tellicherry, bags	lb.	.07½	Nom.
White, Java, Muntok, bags.	lb.	.08½	- .09
Muntok, small berry, bgs.	lb.	.08¼	- .08¾
Peppers, red, chillies, Japan, Hontaka	lb.	.19½	- .20
Mombassa, bgs	lb.	.24½	- .25
Peppermint leaves, dom., bls.	lb.	.60	- .65
imports, bls	lb.	.90	Nom.
Perchlorethylene, dms., c.l., works, frt. alld., some 1.	lb.	.08	—
l.c.l., same basis	lb.	.08½	—
Zone 2, dms., c.l., works, frt. alld.	lb.	.08½	—
l.c.l., same basis	lb.	.09	—
Zone 3, dms., c.l., works, frt. alld.	lb.	.09	—
l.c.l., same basis	lb.	.09½	—
Zone 4, dms., c.l., f.o.b. stock points.	lb.	.09	—
l.c.l., same basis	lb.	.09½	—

All prices on perchlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F., Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following states:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., N. H., Tenn., Ind., Ia., Pa., R. I., Ill., Mich., Minn., Wis., Del., Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City; N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla., and Fla. Zone 3 includes Colo., N. M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Peru, balsam, dms	lb.	.65	- .67
Petrolatum, amber, dms., c.l.	lb.	.02¾	—
l.c.l.	lb.	.03¾	—
amber, extra, dms	lb.	.03	—
l.c.l.	lb.	.04	—
white, cream, dms., c.l.	lb.	.04	—
l.c.l.	lb.	.05½	—
lily, dms., c.l.	lb.	.04¾	—
l.c.l.	lb.	.06¼	—
snow, dms., c.l.	lb.	.05½	—
l.c.l.	lb.	.07½	—
Petroleum, crude, bulk, at wells:—			
California	bbl.	.60	- 1.71
Canada	bbl.	1.70	- 2.10
Central West:—			
Illinois	bbl.	1.00	- 1.15
Lima	bbl.	.90	—
Michigan	bbl.	.92	- 1.23
Princeton	bbl.	1.00	—
East Texas	bbl.	1.10	—
Gulf Coast	bbl.	.86	- 1.28
Kentucky, Tennessee	bbl.	.90	- 1.20
Louisiana, Arkansas	bbl.	.55	- 1.25
Mexico	bbl.	No prices	
Midcontinent:—			
North Texas	bbl.	.71	- 1.03
Oklahoma-Kansas	bbl.	.58	- 1.10
Pennsylvania, Ohio, West Virginia:—			
Bradford, Allegany	bbl.	2.30	—
Corning	bbl.	1.12	—
N. Y. Transit lines	bbl.	2.30	—
Eureko lines	bbl.	1.89	—
S. W. Penn lines	bbl.	1.95	—
Lower district in National Transit lines	bbl.	2.18	- 2.23
Rocky Mountains	bbl.	.35	- 1.10
South Central and Southwestern Texas	bbl.	.86	- 1.29
Texas Panhandle	bbl.	.67	- .96
West Texas	bbl.	.53	- .95
Ether, normal, tanks, G.3	gal.	.09¾	—
dms., c.l., dlvd.	gal.	.24	—
l.c.l., 5 or more, dlvd.	gal.	.29	—
1-5, dlvd.	gal.	.38	—
laboratory grade, dms., c.l., G.3.	gal.	.14½	—
l.c.l., G.3.	gal.	.25½	—
10-gal. lots, G.3.	gal.	.50½	—
Lacquer, diluent, at refinery:—			
California, 100 l.b.h., 200 e.p., tanks, dlvd., Los Angeles.	gal.	.11	—
San Francisco.	gal.	.11½	—
Willbridge, Ore., Fort Wells, Wash.	gal.	.12	—
East Coast, tanks.	gal.	.09½	- .10
Group 3, toluol type, tanks,	gal.	.07¾	—
benzol type, tanks.	gal.	.07¾	—
Mineral spirits, at refinery:—			
California (f.o.b. San Francisco), 166-252 b.r., tanks,	gal.	.10½	—
198-290 b.r., tanks.	gal.	.10½	—
246-397 b.r., tanks.	gal.	.10½	—
312-408 b.r., tanks.	gal.	.09	—
362-458 b.r., tanks.	gal.	.09	—
East Coast, 43-47, tanks.	gal.	.0830-	.09½
47-49, tanks.	gal.	.10½	—
Group 3, tanks.	gal.	.05¾	—
tankwagon, tax icluded:—			
Albany	gal.	.13½	—
Baltimore (100 gals.).	gal.	.14	—
25-99 gals.	gal.	.16	—
Boston	gal.	.13½	—
Bound Brook, North Amboy, N. J.	gal.	.13½	—
Bridgeport, Conn.	gal.	.11½	—
Buffalo	gal.	.15½	—
Camden, N. J.	gal.	.10	- .11½
Chicago	gal.	.1670-	—
Decatur	gal.	.1810-	—
Des Moines	gal.	.1790-	—
Evansville, Ind.	gal.	.1420-	.1520
Milwaukee	gal.	.1930-	—
Minneapolis-St. Paul.	gal.	.19½	—
Newark	gal.	.09½	—
New York (200 gals).	gal.	.09½	—
Omaha	gal.	.12½	—
Pittsburgh	gal.	.11½	- .13½
Providence	gal.	.12	—
Rochester	gal.	.12½	—
St. Louis	gal.	.1470-	—
Syracuse	gal.	.10½	—
Trenton	gal.	.10½	—
Wilmington, Del.	gal.	.12½	—
Naphtha, cleaners', at refinery:—			
California (f.o.b. San Francisco), tanks.	gal.	.12	—
East Coast, tanks	gal.	.09	- .10¼
Group 3, tanks	gal.	.06¾	- .07
Gulf Coast (f.o.b. New Orleans), tanks	gal.	.06¾	—
tankwagon, Boston, ex tax,	gal.	.13½	—
Bridgeport	gal.	.13½	—
Chicago, inc. 4c. tax.	gal.	.18	—
Decatur, inc. 4c. tax.	gal.	.1910-	—
Des Moines, inc. 4c. tax,	gal.	.1890-	—
Evansville, inc. ex tax.	gal.	.15	- .16
Milwaukee, inc. 5c. tax.	gal.	.2030-	—
Minneapolis-St. Paul, inc. 5c. tax.	gal.	.20½	—
Newark, ex tax	gal.	.10½	—
New York, ex tax	gal.	.10½	—
Omaha, ex tax	gal.	.1490-	.1590
Oklahoma City, ex tax.	gal.	.16½	—
Philadelphia, ex tax.	gal.	.12	—
St. Louis, inc. 1c. tax.	gal.	.15½	—
Syracuse, 150 gals.	gal.	.14½	—
smaller lots, galv. drums,	gal.	.10	—
milk cans	gal.	.21	—

SUN PRODUCTS INCLUDE:
SOLNUS OILS (Diesel and General Lubrication)
CIRCO LIGHT (Processing Oils)
SUNOCO EMULSIFYING CUTTING OIL (Metal Working)
SUNOCO SPIRITS (Metal Cleaning and Paint Thinners)
SUN QUENCHING AND TEMPERING OILS

Solvency in mineral spirits is now measured accurately by means of the R. S. Test*. . and this test again proves SUNOCO Spirits a leader in solvency. A series of such tests showed the following results:

SUNOCO SPIRITS	R.S.100
BRAND A	90
BRAND B	78
BRAND C	67
OTHERS AS LOW AS	32

You get this high solvency at low cost in SUNOCO Spirits. You get also dependably uniform, well-balanced mineral spirits with low sulphur content . . mineral spirits with which high product quality may be maintained.

Ask us to prove the advantages of SUNOCO Spirits . . to show you more facts and figures. Write today for "Let's Talk Facts."

*R. S. (Resin Solvency) Test based on the viscosity of dispersion of synthetic resins in petroleum solvents.

SUN OIL COMPANY, Philadelphia, Pa.
Sponsors of the Sunoco News Voice of the Air—Lowell Thomas

SUN OILS
PETROLEUM PRODUCTS FOR ALL INDUSTRIES

Petroleum, naphtha, high-solvency, aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway..gal. .21 - —
2, over 50% arom., same basis..gal. .21 - —
3, same basis.....gal. .22 - —
5, tanks, f.o.b. Paulsboro, N. J..gal. .16½- —
30, same basis.....gal. .17½- —
40, same basis.....gal. .17¾- —
V. M. & P., at refinery:—
California, 46.5, 254 l.b.p., 380 e.p., tanks, f.o.b. El Segundo..gal. .11 - —
Richmond .....gal. .11½- —
Willbridge, Ore., Pt. Wells, Wash..gal. .12 - —
54-57, 190 l.b.p., 310 e.p., tanks, dlvd. Los Angeles, gal. .10 - —
San Francisco....gal. .10½- —
Portland, Seattle..gal. .11 - —
East Coast, tanks.....gal. .09 - .09½
Group 3, tanks.....gal. .06½- .07
Gulf Coast (dlvd. New Orleans), tanks....gal. .06½- —
tankwagon, Boston, ex tax, gal. .14½- —
Chicago, inc. 4c. tax..gal. .17 - —
Des Moines, inc. 4c. tax.gal. .1890- —
Decatur, inc. 4c. tax..gal. .1910- —
Evansville, Ind., ex tax, gal. .1520-.1620
Milwaukee, inc. 5c. tax.gal. .2030- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .20 - —
Newark, ex tax.....gal. .11½- —
New York, ex tax.....gal. .10½- —
Omaha, ex tax.....gal. .1490-.1590
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1570- —
Solvent, rubber at refinery, California (f.o.b. San Francisco), bbls..gal. .24 - —
East Coast, tanks.....gal. .09½- —
Group 3, light, 120 l.b.p., 250 ep., tanks..gal. .06¾- .07
standard, 180 l.b.p., 288 e.p., tanks..gal. .06¾- .07
Stoddard (CS 8-33), at refinery:—
California (f.o.b. San Francisco), tanks..gal. .11 - —
East Coast, tanks.....gal. .0330- .09½
Group 3, tanks.....gal. .06¾- .06½
tankwagen, Boston, ex tax, gal. .14 - —
Chicago, inc. 4c. tax..gal. .1640- —
Decatur, inc. 4c. tax..gal. .1860- —
Des Moines, inc. 4c. tax.gal. .1840- —
Evansville, Ind., ex tax.gal. .14 - .15
Milwaukee, inc. 5c. tax.gal. .1980- —
Minneapolis-St. Paul, inc. 5c. tax..gal. .1820- —
Newark, ex tax.....gal. .09½- —
New Orleans, ex tax..gal. .11 - —
New York, ex tax.....gal. .09½- —
Omaha .....gal. .1360-.1460
Philadelphia, ex tax...gal. .13 - —
St. Louis, inc. 1c. tax..gal. .1340- —
Tulsa, ex tax.....gal. .10½- .11¼
Phenobarbital, 5-lb. bots.....lb. 3.95 - —
bots. or cns., 100 lbs., spot or contract..lb. 3.60 - —
25-lb. cns.....lb. 3.85 - —
Phenol, USP, dms., c.l., works, frt. equald..lb. .12 - —
l.c.l., same basis.....lb. .12¾- —
under 1,000 lbs.....lb. .13¾- —
tanks, works.....lb. .11 - —
Phenolphthalein, USP, bbls., dms., 2,000-lb. lots..lb. .85 - —
bbls., dms., kegs., 100-250 lbs., lb. .87 - .89
yellow, fib. dms., 2,000-lb. lots, lb. .80 - —
100-lb. fib. dms.....lb. .82 - —
25-lb. dms.....lb. .87 - —
50-lb. kgs.....lb. .84 - —
Phenyl chloride, dms.....lb. .17 - —
Phenylacetaldehyde, bots.....lb. 2.10 - 2.80
Dimethylacetate, cns.....lb. 14.50 - 15.00
Phenyl ethyl acetate, cns.....lb. 2.90 - 3.00
Phenylethylphenyl acetate, bots., lb. 8.00 - 15.00
Phenylhydrazine, base, CP, bots, lb. 4.00 - —
hydrochloride, CP, bots., works, lb. 4.00 - —
commercial, kgs., works....lb. 1.50 - —
pure, bbls., works.....lb. 2.25 - —
Phloroglucinol, CP, tins, wks..lb. 20.00 - 22.00
tech., tins, works.....lb. 15.00 - 16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 76% min., bulk, mines..long ton. 4.35 - —
land pbble, 68% min., bulk, mines..long ton. 1.90 - —
70% min., bulk, mines.....long ton. 2.15 - —
72% min., bulk, mines.....long ton. 2.40 - —
75% basis, 74% min., bulk, mines..long ton. 2.90 - —
Tenn., 72% bulk, mines.....long ton. 4.50 - —
75% bulk, mines..long ton. 5.50 - —
Phosphorus, red, cs.....lb. .40 - .44
yellow, dms.....lb. .18 - .20
cases .....lb. .23 - .27
Oxychloride, cyls.....lb. .15 - .18
Pentoxide, dms., c.l., works..lb. .11 - .12
l.c.l., dms., works.....lb. .13 - .14
Sesquisulphide, cs.....lb. .38 - .42
Trichloride, cyls.....lb. .15 - .16
Phthalamide, bbls., works, tons.lb. .35 - —
single bbls., works.....lb. .40 - —
kgs., works.....lb. .45 - .50
Phthalic anhydride, bbls., c.l., works, frt. alld. E. of Miss. R..lb. .14½- —
l.c.l., same basis.....lb. .15½- —
Picni leaves, bgs.....lb. .10 - .11
Pilocarpine hydrochloride, bots., vis..oz. 3.75 - 4.00
Nitrate, bots., vis.....oz. 3.75 - 4.00
Pimento, Jamaican, bgs.....lb. .25½- .26
Mexican, bgs.....lb. .11 - .11½
Pinkroot, bls.....lb. .40 - .41
Pitch, burgundy (see B).
Coaltar, 160° m.p., bbls., c.l., works..ton. 19.00 - —
l.c.l. .....ton. 22.00 - —
Hardwood, 1-time dms., c.l., dlvd. Akron..ton. 23.75 - 24.00
Linseed, dms.....lb. .05 - .05¼
Petroleum (see Asphaltum, Mexican, Texas).
Pine, bbls.....bbl. 6.00 - 6.50
Plaster of Paris (see Gypsum).
Pleurisy root, Southern, bls....lb. .12 - .18
Podophyllin, dms., dlvd. E. of Miss..lb. 4.50 - 4.70
Poke root, bls.....lb. .07 - .07¼
Pomegranate bark, bgs.....lb. .49 - .50
Root bark, bgs.....lb. .60 - .65
Poppy flowers, red, bls.....lb. .70 - .75
Seed, Dutch, bgs.....lb. .36 - .38
Hungarian, bgs.....lb. No stocks
Roumanian, bgs.....lb. .34½- .35
Turkish, bgs.....lb. .32½- .33
Potash abietate.....lb. .08 - —
Acetate, tech., bbls., dlvd....lb. .26 - —
kgs., dlvd.....lb. .28 - —
USP, bbls., 250 lbs.....lb. .28 - —
kgs., 100 lbs.....lb. .30 - —
cns., 25 lbs.....lb. .31 - .44
Arsenite, USP, solut., cbys., 100 lbs..lb. .11 - —
demj., 50 lbs.....lb. .12 - —

Potash, bicarbonate, USP, cryst., bbls., 300 lbs..lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
gran., bbls., 250 lbs.....lb. .17 - —
kgs., 100 lbs.....lb. .19 - —
Bichromate, spot, c.l., works.lb. .08¾- —
6 casks or 10 bbls., or over, works..lb. .09 - —
5 casks or 9 bbls., or less, works..lb. .09¼- —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fib. dms., 100 lbs.....lb. .28 - —
Carbonate, calc., dms., c.l., works..lb. .06½- —
l.c.l., same basis.....lb. .06¾- —
hydrated, 83-85%, bbls., c.l., works..lb. .05½- —
l.c.l., same basis.....lb. .05¾- —
liquid, dms., c.l., works, frt. alld..lb. .03 - —
l.c.l., dms., same basis.lb. .03¼- —
tanks, same basis.....lb. .02¾- —
USP, gran., bbls., 325 lbs..lb. .14 - —
powd., bbls., 325 lbs.....lb. .19 - —
kgs., 100 lbs.....lb. .21 - —
Caustic, flake, 88-92%, dom., c.l., works..lb. .07 - —
import, dms.....lb. No prices
liquid, 45% basis, dms.....lb. .03½- .03¾
tanks .....lb. .02¾- —
solid, 88-92%, dom., dms., c.l., works..lb. .06¼- —
l.c.l. .....lb. .06¼- .06¾
import, dms.....lb. No prices
Chlorate, cryst., kgs.....lb. .11 Nom.
pwd., kgs.....lb. .09½- .10
Chloride, tech., 98%, cryst., bgs., kgs..lb. .04 Nom.
Chromate, kgs.....lb. .24 - .27

Potash, citrate, USP, gran., bbls., 250 lbs..lb. .33½- —
kgs., 100 lbs.....lb. .34½- —
cns., 50 lbs.....lb. .35½- —
cns., 25 lbs.....lb. .37½- —
Cyanide, dom., dms., works..lb. .55 - —
Cyanide, gold, 41% gold, bots., works..oz. 14.20 - 14.45
Glycerophosphate, 75% sol., dms., 1,000-lb. lots..lb. 1.00 - —
100-lb. lots.....lb. 1.10 - —
50-lb. lots, cbys., or cns., lb. 1.15 - —
25-lb. lots, cns.....lb. 1.25 - —
Guaiacolsulphonate, fib., dms., 100-lb. lots..lb. 1.60 - 1.66
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 100 lbs. to 1,000 lbs..lb. .32 - .34
Hypophosphite, cns., 100 lbs..lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bots., 5 lbs.....lb. 3.55 - —
cns., 25 lbs.....lb. 3.46 - —
Iodide, bbls., 250 lbs.....lb. 1.20 - —
bots., or cns.....lb. 1.29 - 1.55
dms. .....lb. 1.20 - 1.26
Kainit, 20% K_2O, bulk, ex vessel, Atlantic or Gulf ports.. ton. No prices
Manure salt, dom., min., 30% K_2O, bulk, ex vessels, ports, unit-ton. .60 - —
import, 30% K_2O bulk, ex-vessel, Atlantic or Gulf ports..ton. No prices

Domestic manure salt prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex vessel price named above. Prices in bags are $2 per ton higher than bulk prices.

Pet. Naphtha—Pot., Sulphate

Potash, metabisulphite, kgs....lb. .19 Nom.
Muriate, dom., min., 50% or 62% K_2O, bulk, ex-vessel, ports..unit-ton. .53½- —
import, min., 50% or 62% K_2O, bulk, ex-vessel, Atlantic or Gulf port..unit-ton. No prices

Domestic muriate of potash prices, basis f.o.b. Carlsbad, N. M., are 11.2c. per unit of K_2O less than the ex-vessel price named above. Prices, basis f.o.b. Trona, Cal., are 8c. per unit of K_2O less than the ex-vessel price. Prices in bags are $2 per ton higher than the bulk price.

Oxalate, pure, cryst., kgs....lb. .30 - .31
tech., bbls.....lb. .25 - .26
Nitrate, crude, bgs., c.l.f. ports, ton. No prices
Perchlorate, kgs., works.....lb. .09½- .11
Permanganate, tech., dms....lb. .19¾- .19¾
U.S.P., dms.....lb. .20 - 20¼
Prussiate, red, bbls.....lb. No prices
Yellow, bbls.....lb. .16 - .18
Recinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lumps, bgs..lb. .07 - —
Sulphate, NF, cryst., 400 lbs., bbls..lb. .18 Nom.
100-lb. kgs.....lb. .20 - —
powd., 350 lbs., bbls.....lb. .19 Nom.
100-lb. kgs.....lb. .21 - —
tech., dom., bgs., basis 90% K_2SO_4, ex-vessel, ports, ton. 36.25 - —
bulk, same basis.....ton. 34.25 - —

Unless He Connects

SWINGING *at* a baseball never won a game. Someone has to *hit the ball.*

And someone has to *"hit the ball"* when you need emergency service on solvents.

Why the Skelly Oil Company is in a better position to *"hit the ball"* for you is a story of sources of supply, refining facilities, distribution organization, and *many years' experience at the bat!* The Skellysolve reputation for coming through was not made by fanning out in the pinches.

Take a moment now to drop a line and get the information about Skellysolve and Skellysolve Service. The day may come—and most likely will—when you'll be mighty glad you did.

Phone, write, or wire the address below.

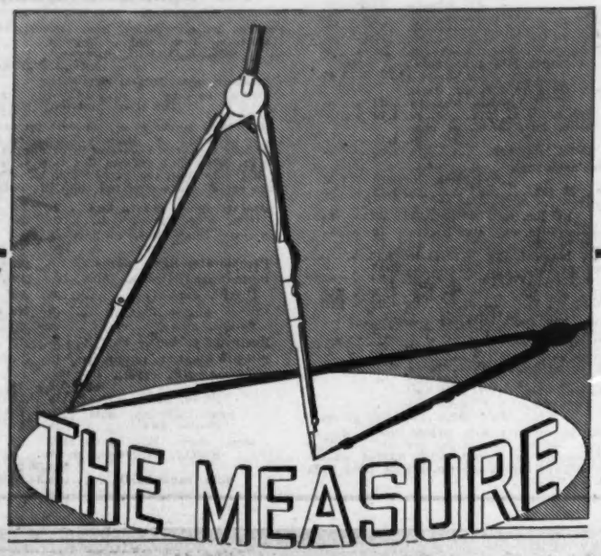
SKELLYSOLVE
in the **OIL, PAINT,** *and* **DRUG FIELD**

The Skellysolve line includes naphthas specially fractionated for all laboratory and industrial uses. We furnish a full line of V. M. & P. naphthas, mineral spirits, and lacquer diluents, as well as many other special hydrocarbons. Our technical staff has aided many manufacturers in developing formulas for new or improved products which have proved to be of great value. Write or wire for full information today.

SKELLY

SKELLYSOLVE

SOLVENTS DIVISION, SKELLY OIL CO.
SKELLY BLDG., KANSAS CITY, MO.



of your **PRODUCT . . .**
and your **SUCCESS**

. . . IS GAUGED BY YOUR SKILL AND THE COMPONENTS YOU USE

If your Chemicals, Gums, Waxes and other essentials are of ISCO origin, you may dismiss concern in *that* direction • ISCO Products are right in quality and uniformity • Here you may benefit by a Century and a Quarter's experience, plus an earnest desire to serve you well.

You'll find our now-and-then bulletin, THE ISCO NEWS helpful in your buying. Ask us to add your name to our mailing list.

ISCO CARRARA Pure, Soft Decomposed **SILICA**
Rings the Bell with PAINT MANUFACTURERS.

GOOD Paint becomes Still **BETTER**, with the help of ISCO Carrara Pure, Soft Decomposed Silica, 99½% pure. Water ground and Dry ground.

NAPHTHALENE—Refined, Prime White, Freshly Packed Flakes and Balls—Bbls. and 50 lb. Cartons. Also attractive 12 and 16 ounce Packages.

PARA-DICHLOROBENZENE — Crystallizing point of 52.8°. Also

ORTHO-DICHLOROBENZENE and
MONO-CHLOROBENZENE
in Commercial Packages

We are fortunate in having stocks of certain items not everywhere plentiful, and in being able to offer excellent substitutes for many imported lines now no longer available.

GUMS — Arabic — Karaya — Locust Bean — Tragacanth.

WAXES — Beeswax — Candelilla — Carnauba — Ceresines.

ISCO FERRIC ACID — Grades for Industrial and Medicinal Uses.

IRISH MOSS — Whole and Powdered. **BORAX** and **BORIC ACID**

and many other CHEMICALS and ALLIED PRODUCTS for all industrial purposes.

INNIS, SPEIDEN & CO.
Established 1816
117-119 Liberty Street • • • NEW YORK
BOSTON • PHILADELPHIA • CHICAGO • CLEVELAND • GLOVERSVILLE, N. Y.
A National Institution

Potash, Sulph.—Rosemary

Potash, sulphate, imp., min., 90%, bgs., ex-vessel, Atl. or Gulf ports	ton.	No prices
Xanthate, dms., c.l.	lb.	.13 - —
Potash-magnesia, sulphate, dom., bgs., 40%, K_2SO_4, ex-vessel, ports	ton.	27.00 - —
bulk, same basis	ton.	25.00 - —
Potash-soda ferricyanide, dms., works	lb.	.36 - .39
Potash titanium oxalate, 350-lb. bbls.	lb.	.40 - —
100-lb. dms.	lb.	.40 - —
Prickly ash bark, bls.	lb.	.12 - .15
Berries, bgs.	lb.	.28 - .30
Prince's pine herb, bls.	lb.	.22 - .25
Propane, tanks, Group 3	gal.	.03¾- .04
Psyllium seed (see Fleaseed).		
Pulsatilla, bls.	lb.	.85 - .90
Pumice stone, Italian, Amer.-grd., 4F, 3F, 2F, 1½F., and coarser, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
F and I, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
O, O—½, O—¾, and ½, bbls., 3 or over, works	lb.	No prices
less than 3, works	lb.	No prices
Ital.-grd., bgs., c.l., ship., ex dock, N.Y.	ton.	No price
l.c.l., 5-29 tons, ex whse.	ton.	No prices
1,000-10,000 lbs., ex whse.	ton.	No prices
2 bgs. to 1,000 lbs., ex whse.	ton.	No prices
single bgs., ex whse.	ton.	No prices
Pumpkin seed, bgs.	lb.	.10 - .11
Purple lake (see Red).		
Putty, com'l, dms.	100 lbs.	3.15 - —
linseed oil, raw, dms.	100 lbs.	5.00 - —
refined, dm.	100 lbs.	5.50 - —
standard, dms.	100 lbs.	4.20 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2 grams pyrethrins per 100 cc., dms., divd.	gal.	4.75 - 4.95
(30 to 1-, 3 grams pyrethrins per 100 cc., dms., divd.	gal.	7.20 - —
Pyrethrum flowers, coarse, grnd. (g.f.p.), 9% pyrethrins, frt. alld., bbls.	lb.	.23 - .26
fine powd., 9% pyrethrins, frt. alld., bbls.	lb.	.25 - .28
Pyridin, denaturing, dms.	gal.	1.71 - —
refd., 2°, dms.	lb.	.48 - —
Pyrites Spanish, bulk, c.i.f. Atl. ports	unit-ton.	No prices
Pyrocatechin, CP, cryst., works, fib. dms., tins	lb.	2.15 - 2.40
resublimed, fib. dms., tins	lb.	4.60 - —
Pyrophylite, standard, 200 mesh, c.l., mines	ton.	9.00 - —
325 mesh, same basis	ton.	12.00 - —
No. 3, 200 mesh, c.l., mines	ton.	7.50 - —
325 mesh, same basis	ton.	12.00 - —
Pyroxylin scrap, amber, cs., works	lb.	.12 - —
black, cs., works	lb.	.10 - —
china white, ivory, cs., works,	lb.	.13 - —
dense, white, cs., works	lb.	.10 - —
gray, cs., works	lb.	.08 - —
mixed, mottles, opaque, cs., works	lb.	.04 - —
translucent pastels, cs., works	lb.	.10 - —
transparent, cs., works	lb.	.20 - —
colors, cs., works	lb.	.12 - —
shavings, amber, cs., works,	lb.	.16 - —
colors, mixed, cs., works	lb.	.10 - —
white, cs., works	lb.	.15 - —

Q

Quassia chips, bls.	lb.	.05 - .06
Quebracho extract, liquid, 35% tan, bbls., works	lb.	.04½- —
tanks, works	lb.	.03¾- —
solid, 63%, bgs., c.i., ex dock, plus duty	lb.	.04¾- —
clarified, 64%, bgs., c.l., same basis	lb.	.05½- —
Queen of the meadow leaves, bgs.	lb.	.07½- .08
Root, bgs.	lb.	.10 - .11
Quercitron, extract, liquid, 50°, bbls.	lb.	.08½- .09¼
solid, dms.	lb.	.11 - .14¾
Quicksilver, dom., flasks (76 lbs. net), divd., N.Y.	flask.	167.00 -169.00
European, flasks (76 lbs. net), c.i.f., N. Y., incl. war risk insurance	flask.	250.00 - —
ex store	flask.	252.00 - —
Quince seed, bgs.	lb.	1.10 - 1.15
Quinidine, N.F.V., cryst., cns.	oz.	1.06 - —
powd., precip., cns.	oz.	1.01 - —
Sulphate, cns.	oz.	.71 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.		
Quinine, 100 ozs., cns.	oz.	.84 - —
Acetate, cans.	oz.	1.05 - —
Arsenate, cns.	oz.	1.05 - —
Arsenite, cns.	oz.	1.07 - —
Bisulphate, cns.	oz.	.90 - —
Citrate, cns.	oz.	.18 - —
Dihydrobromide, bots.	oz.	.82 - —
Dihydrochloride, bots.	oz.	.82 - —
Ethylcarbonate, cns.	oz.	.85 - —
Ferrocyanide, cns.	oz.	1.07 - —
Formate, cns.	oz.	1.00 - —
Hydrochlorosulphate, cns.	oz.	.81 - —
Glycerophosphate, cns.	oz.	1.20 - —
Hydrochloride, cns.	oz.	.76 - —
Hydriodide, cns.	oz.	1.05 - —
Hypophosphite, cns.	oz.	1.07 - —
Phosphate, cns.	oz.	.90 - —
Salicylate, cns.	oz.	.79 - —
Sulphate, USP, XI, cns.	oz.	.67 - —
Sulphocarbonate, cns.	oz.	1.05 - —
Tannate, cns.	oz.	.68 - —
Tartrate, cns.	oz.	1.03 - —
Valerate, cns.	oz.	.99 - —
Quinine buyers must pay a surcharge of 7c. per oz. to cover present war risk insurance, ocean freight rates, and additional expenses over the cost of usual business. Changes in these controlling factors will be reflected in the surcharge invoiced.		
Quinine-urea hydrochloride, cns.	oz.	.81 - —
Subject to surcharge of 7c. per oz.; see note under Quinine.		

R

R. salt, dry, bbls.	lb.	.55 - —
paste, dms.	lb.	.52 - —
Rapeseed, Argentine, bgs.	lb.	.06 - .06½
Dutch, bgs.	lb.	No stocks
Indian, small, recleaned, bgs.	lb.	.06½- .07
medium, recleaned, bags	lb.	.07½- .08
Japanese, bgs.	lb.	No stocks
Raspberries, dried, bls.	lb.	.60 - .65
Red, alizarin lake, bbls., divd. N. of Tenn., and N. C. E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis	lb.	1.10 - 1.60

Red, Alizarin lake prices are ½c. higher divd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.). Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher divd. Pac. Coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. a/id.	lb.	.90 - —
smaller lots, same basis,	lb.	.95 - —
kgs., ton lots, same basis,	lb.	.95 - —
smaller lots, same basis,	lb.	1.00 - —
light shade, bbls., ton lots, same basis.	lb.	.75 - —
smaller lots, same basis,	lb.	.80 - —
kgs., ton lots, same basis,	lb.	.80 - —
smaller lots, same basis,	lb.	.85 - —
light-medium shade, bbls., ton lots, same basis.	lb.	.80 - —
smaller lots, same basis,	lb.	.85 - —
kgs., ton lots, same basis,	lb.	.85 - —
smaller lots, same basis,	lb.	.90 - —
maroon shades, bbls., ton lots, same basis.	lb.	1.00 - —
smaller lots, same basis,	lb.	1.05 - —
kgs., ton lots, same basis,	lb.	1.05 - —
smaller lots, same basis,	lb.	1.10 - —
medium shade, bbls., ton lots, same basis.	lb.	.85 - —
smaller lots, same basis,	lb.	.90 - —
kgs., ton lots, same basis,	lb.	.90 - —
smaller lots, same basis,	lb.	.95 - —
Selenide, bbls., light, works	lb.	2.20 - —
maroon, works	lb.	2.70 - —
Carmine, 40, dms., 100 lbs.	lb.	4.50 - —
50 lbs.	lb.	4.60 - —
cns., 5 lbs.	lb.	4.75 - —
1 lb.	lb.	4.85 - —
Crocus martis (see Red, purple oxide).		
Eosin toner, bbls.	lb.	1.25 - —
Fire, toner, bbls.	lb.	.85 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y.	lb.	.08¾- —
80%-85%, bbls., same basis.	lb.	.07¼- —
Iron oxide (see Red oxide).		
Lacquer maroon, bbls., same basis.	lb.	1.25 - —
Lake C toner, bbls., same basis, alizarin, lake, contracts.	lb.	.90 - —
open order.	lb.	.90 - —
Lithol toner, bbls., same basis alizarin, lake, contracts.	lb.	.55 - —
open order.	lb.	.60 - —
Rose lake, bbls.	lb.	.20 - .25
Pink, bbls.	lb.	.15 - .20
Lithol-rubine toner, bbls., same basis, alizarin lake, contracts.	lb.	1.10 - —
Maroon lake, 25% kgs., same basis, alizarin lake, contracts.	lb.	.40 - —
Mercury oxide, tech., dom., bbls.	lb.	2.81 - —
Metallic, bbls., Pa., works	lb.	.02 - —
Orange, Persian (see O).		
Oxide, pure, bbls., c.l., works,	lb.	.06½- —
l.c.l., works	lb.	.06¾- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, Copley, Ohio	lb.	.08¼- —
80% copperas oxide, bbls., same basis.	lb.	.07¾- —
Para, toner, concent., kegs, same basis, alizarin lake, contracts.	lb.	.70 - —
open order.	lb.	.75 - —
Persian, Gulf, oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N.Y.	lb.	.05 - —
ex whse., Chicago, St. Louis	lb.	.05¾- —
San Fran., Los Ang., Portland, Seattle	lb.	.05½- —
Phloxin toner (see Red, Eosin toner).		
Phosphotungstic rhodamine Y,	kgs.	3.90 - —
Purple lake, kgs.	lb.	.60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis	lb.	.03 - —
Toner, kgs.	lb.	1.50 - 2.00
Scarlet ink toner, kgs., same Lake, kgs., same basis alizarin lake	lb.	.25 - .30
Spanish, oxide, bbls., f.o.b. N.Y.	lb.	.04½- —
Toluidine toner, kgs., same basis, alizarin lake	lb.	1.05 - —
Tuscan, bbls., f.o.b. N. Y., E. St. Louis	lb.	.11 - .40
Venetian, bbls., works	lb.	.0220- —
10%, bbls., works	lb.	.0245- —
15%, bbls., works	lb.	.0265- —
20%, bbls., works	lb.	.02¾- —
25%, bbls., works	lb.	.03 - —
30%, bbls., works	lb.	.03¼- —
35%, bbls., works	lb.	.0360- —
40%, bbls., works	lb.	.04 - —
Vermilion, Amer., bbls., same basis alizarin lake	lb.	.15 Nom.
quicksilver, bbls.	lb.	3.12 3.17
Red dyes are listed under Dyes.		
Red, precipitate, N. F., powd., fib., dms., 50 lbs. or more	lb.	3.06 - —
Red saunders wood, ground, bbls.	lb.	.35 - —
Resorcinol, tech., 200 lb. dms., frt., alld., E. of Miss.	lb.	.68 - —
smaller quantities, works	lb.	.74 - —
U.S.P., cryst, 100 lbs., dms., frt., alld., E. of Miss.	lb.	1.80 - —
Rhatany root, bgs.	lb.	.10 - .11
Rhubarb, cs.	lb.	.38 - .40
powd., bbls., kgs.	lb.	.43 - .45
Riboflavin	gram.	1.75 - 2.25
Rochelle salt, cryst., bbls., 5,000 lbs., 1 ship't.	lb.	.36½- —
smaller lots.	lb.	.37 - —
powd., bbls., 5,000 lbs., 1 ship't.	lb.	.35½- —
smaller lots.	lb.	.36 - —
Rose flowers, pale, bls.	lb.	.42 - .43
red, bls.	lb.	5.00 Nom.
Rosemary, flowers, bls.	lb.	.45 - .50
leaves, bls.	lb.	.11 - .12

Rosin, gum B, bbls., ex dock.. 100 lbs. 2.13 - —
D, bbls. 100 lbs. 2.18 - —
E, bbls. 100 lbs. 2.18 - —
F, bbls. 100 lbs. 2.18 - —
G, bbls. 100 lbs. 2.18 - —
H, bbls. 100 lbs. 2.18 - —
I, bbls. 100 lbs. 2.23 - —
K, bbls. 100 lbs. 2.35 - —
M, bbls. 100 lbs. 2.45 - —
N, bbls. 100 lbs. 2.75 - —
W. G., bbls. 100 lbs. 3.10 - —
W. W., bbls. 100 lbs. 3.31 - —
X, bbls. 100 lbs. 3.31 - —
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.25.50 - —
l.c.l., f.o.b. mines..ton.37.50 - —
import, lump, bbls. lb. No prices
powd., bbls. lb. No prices
Rue, bls. lb. .30 - .35

S

Sabadilla seed, powd., bbls. lb. .22 - .23
Saccharin, dms., 100 lbs. lb. 1.45 - —
cns., 25 lbs. lb. 1.48 - 1.50
Safflower, bls. lb. .35 - .40
Saffron, Mexican, bls. lb. .35 - .40
Spanish, tins. lb. 23.00 -24.00
Safrol, ans. lb. .90 - —
dms. lb. .85 - —
Sage, Dalmatian, garden, bls. lb. No stocks
stemless, bls. lb. No stocks
ground, bbls. lb. 1.40 - 1.45
Greek, afloat, bls. lb. .35 - .36
Spanish, bls. lb. .35 - .38
Sago flour, bgs. lb. .03½- .04
Salicin, bots., 5 lbs. lb. 7.04 - —
cns., 25 lbs. lb. 7.00 - —
Salol, gran., bbls., 200 lbs. lb. .90 - —
bxs., 25 lbs. lb. .93 - —
kgs., 100 lbs. lb. .90 - —
powd., fib. dms., 25 lbs. lb. 1.03 - —
kgs., 100 lbs. lb. 1.00 - —
Salt, rock, bgs., divd., N.Y. ton.13.70 - —
l.c.l., bgs., divd., N.Y. ton.15.50 -16.10
vacuum, common, fine, bgs., c.l., divd., N.Y. ton.15.70 - —
l.c.l., divd., N.Y. ton.16.00 -19.70
Saltcake, grd., dom., bbls., works. ton.24.00 Nom.
bulk, works. ton.17.00 Nom.
import, bulk, c.i.f. ton.16.50 Nom.
Chrome (see Chrome cake).
Saltpeter, dbl., refined, cryst., 10-20 tons, bbls. 100 lbs. 8.60 - 9.00
1-9 tons. 100 lbs. 8.75 - 9.75
less than ton lots. 100 lbs. 9.00 -10.00
gran., bbls., 10-20 tons. 100 lbs. 7.00 - —
1-9 tons. 100 lbs. 7.75 - —
less than ton lots. 100 lbs. 8.00 - —
powd., bbls., 10-20 tons. 100 lbs. 8.00 - —
1-9 tons. 100 lbs. 8.75 - —
less than ton lots. 100 lbs. 9.00 - —
Santonin, cryst., cns. kilo.150.00 -155.00
Saponin, crude, cns. lb. 2.25 - 2.50
Purified, cns., 25 lbs. lb. 3.00 - 3.25
Sarsaparilla root, Honduras, bls., lb. .28 - .30
Mexican, bls. lb. .16 - .18
Sassafras, bark, ord., bls. lb. .13 - .14
select, bls. lb. .20 - .21
Savory, baled. lb. 1.50 - 1.60
Saw palmetto berries, bgs. lb. .08 - .09
Scammony root, bgs. lb. .07 - .08
resin, lump, cns. lb. .85 - —
powd., bxs. lb. .90 - —
Schaeffer's salt, bgs. lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipment.. lb. .28½- —
smaller lots. lb. .29 - —
kegs, 5,000 lbs., 1 shipm't.. lb. .29 - —
smaller lots. lb. .29½- —
Selenium, pwd. A, 10-lb. tins. lb. 2.00 - —
100-lb. cases. lb. 1.75 - —
Senega root, spot, bls. lb. .85 - .87
Senna leaves, Alexandria, half leaf, bls. lb. .18 - .20
siftings, bgs. lb. .17 - .19
Tinnevelly, No. 1, bls. lb. .12 - .13
2 bls. lb. .10 - .11
3 bls. lb. .08½- .09
powd., bbls., bxs. lb. .12 - .18
Pods, bls. lb. .09 - .10
Serpentaria root, bls. lb. .60 - .65
Shellac, bleached, bonedry, bbls., f.o.b. N.Y. lb. .26 - .27
divd., Boston. lb. .26½- .27½
Chicago lb. .26¾- .27¾
Pacific Coast. lb. .29 - .30
rfd., bbls., f.o.b. N.Y. lb. .32 - .33
divd., Boston. lb. .32½- .33½
Chicago lb. .32¾- .33¾
Pacific Coast. lb. .35 - .36
Garnet, bgs. lb. .20 - .21
D.C., V.S.O., or Diamond I. cs. lb. .27 - .28
Superfine, bgs., f.o.b. Bost., N.Y. lb. .16½- .17
divd., Chicago. lb. .17 - .17½
Pacific Coast. lb. .19½- .20
T.N., bgs., f.o.b. Bost., N.Y. lb. .16 - .16½
divd., Chicago. lb. .16½- .17
Pacific Coast. lb. .19 - .19½
varnish, Metro, area, orange, 5-lb. cut, bbls. gal. 1.15 - 1.20
4½-lb. cut, bbls. gal. 1.10 - 1.15
4-lb. cut, bbls. gal. 1.05 - 1.10
white, 5-lb. cut, bbls. gal. 1.25 - 1.30
4½-lb. cut, bbls. gal. 1.20 - 1.25
4-lb. cut, bbls. gal. 1.15 - 1.20
Prices, divd., Boston or Chicago, 10c. per gal. higher.
Silica, amorph, dry-grd., 95-97%, 325 mesh, bgs., c.l., works. ton.17.00 - —
l.c.l., 2½ tons, works. ton.19.00 - —
smaller lots, works. ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works. ton.19.00 - —
l.c.l., 2½ tons, works. ton.21.00 - —
smaller lots, works. ton.23.00 - —
95-97%, 400 mesh, bgs., c.l., works. ton.30.00 - —
l.c.l., 2½ tons, works. ton.35.00 - —
smaller lots, works. ton.38.00 - —
95-98%, 325 mesh, bgs., c.l., works. ton.20.00 - —
l.c.l., 2½ tons, wks. ton.21.50 - —
smaller lots, works. ton.23.00 - —
amorph., wet-grd., 99%, 325 mesh, bgs., c.l., works. ton.22.00 - —
l.c.l., 2½ tons, works. ton.25.50 - —
smaller lots. ton.27.00 - —
hard-quartz, 99½%, 325 mesh, bgs., c.l., works. ton.13.50- —
l.c.l., works. ton.18.50 - —
140 mesh, bgs., c.l., works. ton.11.00 - —
l.c.l., works. ton.16.00 - —
Silver, bullion. oz. .34¾- —
Govt. purchase, dom., metal. oz. .7111- —
Govt. purchase, foreign metal. oz. .35 - —

Silver, cyanide, cns., 2,500 ozs. oz. No prices
1,000 ozs. oz. No prices
500 ozs. oz. No prices
50 to 100 ozs. oz. No prices
Nitrate, vis. oz. .36¾- —
Nucleinate, bots., cns., 480-oz. lots. oz. .30 - .31
Proteinate, bots., cns., 480-oz. lots. oz. .29 - .30
Simarubra barks, bls. lb. .30 - .35
Skullcap, Eastern, bls. lb. .23 - .24
Western, bls. lb. .14 - .15
Skunk cabbage root, bls. lb. .11 - .12
Slate flour, bgs., c.l., works. ton. 9.00 - —
l.c.l., works. ton.10.00 -15.00
Sloe berries, bgs. lb. .20 - .22
Smalt, black, extra velvet, cnts., lb. .65 - .66
Blue, cnts. lb. .67 - .68½
Snakeroot, Canada, bls. lb. .34 - .36
Soapbark, bls. lb. .10½- .11
crushed, bls, bbls. lb. .13 - .13½
cut, German, bls., bbls. lb. No stocks
dom., bbls. lb. .17 - .18
powd., bbls. lb. .17 - .18
Soda, acetate, anhyd., dms., divd. lb. .08¾- .10
flake, gran., powd., 60%, dms., c.l., divd. lb. .04 - —
l.c.l., divd. lb. .04½- .05
Soda, acetate, powd., 99%, dms., c.l., divd. lb. .06 - —
l.c.l., divd. lb. .06¾- —
Alginate, dms., bbls., works. lb. .69 - .70
Antimoniate, bbls., divd. lb. .14 - .14½
Arsenate, dms., dealers, c.l., works. lb. .07½- —
l.c.l., dms., works. lb. .08¾- .09¼
Arsenite, dry, gray, dms., c.l., dealers, works. lb. .06½- —
l.c.l., dms., works. lb. .07 - .07½
white, dms., c.l., dealers, works. lb. .07¼- —
l.c.l., dms., works. lb. .08 - .08½
Soda arsenite, dry, gray, prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works. 100 lbs. 1.10 - —
l.c.l., Zone 1. 100 lbs. 2.13 - —
2 100 lbs. 2.28 - —
3 100 lbs. 2.53 - —
4 100 lbs. 2.98 - —
bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., Zone 1. 100 lbs. 2.35 - —
2 100 lbs. 2.50 - —
3 100 lbs. 2.75 - —
4 100 lbs. 3.15 - —

Rosin—Soda Ash

Soda ash, 58%, bulk, c.l., works, 100 lbs. .95 - —
extra light, 58%, bgs., c.l., 100 lbs. 1.05 - 1.08
l.c.l., Zone 1. 100 lbs. 2.08 - —
2 100 lbs. 2.23 - —
3 100 lbs. 2.48 - —
4 100 lbs. 2.88 - —
bbls., c.l., works. 100 lbs. 1.45 - —
l.c.l., Zone 1. 100 lbs. — - —
2 100 lbs. 2.60 - —
3 100 lbs. 2.85 - —
4 100 lbs. 3.25 - —
bulk, c.l. 100 lbs. .90 - —
light, 58%, bgs., c.l., works, lbs. 1.05 - 1.08
l.c.l., Zone 1. 100 lbs. 2.08 - —
2 100 lbs. 2.23 - —
3 100 lbs. 2.48 - —
4 100 lbs. 2.88 - —
bbls., c.l., works. 100 lbs. 1.35 - —
bbls., l.c.l., Zone 1. 100 lbs. 2.33 - —
2 100 lbs. 2.50 - —
3 100 lbs. 2.75 - —
4 100 lbs. 3.15 - —
bulk, c.l. 100 lbs. .80¾- —

Soda ash l.c.l prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The

SOLVAY DUSTLESS CALCINED POTASSIUM CARBONATE 98-100%
SOLVAY DUSTLESS DENSE SODA ASH
SOLVAY GRANULAR HYDRATED POTASSIUM CARBONATE 83-85%

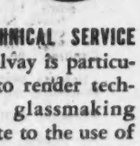
★ ★ ★ "Re-tooling" Glass Production ★ ★ ★

MODERN GLASS is the result of new, improved technology—and new types of basic materials. Here are outstanding factors in this "tooling up" of glass production—all BETTER MATERIALS produced by Solvay:

SOLVAY DUSTLESS CALCINED POTASSIUM CARBONATE 98-100%—*Especially developed by Solvay for the glass industry.* Used to produce special glass such as optical glass and fine stemware, this product was a major development for the glassmaker. Dust from potassium carbonate is a serious nuisance to workers and is particularly damaging to the costly glass furnaces. It decreases the life of expensive fire brick, lowers the efficiency of heat transfer and otherwise seriously interferes with equipment and processing. Solvay Calcined Potassium Carbonate *is free from dust* and therefore prevents costly losses. Its "homogeneous" physical characteristics, as in the case of Solvay Dustless Dense Soda Ash, result in important production savings.

SOLVAY DUSTLESS DENSE SODA ASH—*Especially developed by Solvay for the glass industry.* Highly pure, highly uniform, for all practical purposes free from dust. Dust interferes with processing and is a source of irregularities in the glass. Physical characteristics of this product are so determined with respect to density and granulation, that there is perfect blending with other ingredients to produce a purer glass. Prevents loss of valuable materials and helps maintain control over glass melts, which is an important key to quantity production.

SOLVAY GRANULAR HYDRATED POTASSIUM CARBONATE 83-85%—This form of Potassium Carbonate is available for those who prefer a hydrated type. A high quality granular product, also essentially free of dust.



AN OUTSTANDING TECHNICAL SERVICE FOR GLASSMAKERS—Solvay is particularly well equipped to render technical assistance on glassmaking problems as they relate to the use of alkalies. Prompt and individual attention by recognized glass technologists is given all inquiries.

60th ANNIVERSARY 1881 ★ 1941

SOLVAY SALES CORPORATION

Alkalies and Chemical Products Manufactured by The Solvay Process Company

40 Rector Street , , , , New York, N. Y.

BRANCH SALES OFFICES:
Boston • Charlotte • Chicago • Cincinnati • Cleveland • Detroit
New Orleans • New York • Philadelphia • Pittsburgh • St. Louis • Syracuse
Plants Located At: Syracuse, N. Y. • Detroit, Mich. • Baton Rouge, La. • Hopewell, Va.

The sixteenth annual banquet of the Drug, Chemical and Allied Trades section of the New York Board of Trade will be held on Thursday evening, March 13, 1941, at the Waldorf-Astoria in New York City. Make your reservations now!

Soda Benzoate—Titanium

sales zones are:—Zone 1: All Northern U.S. E. of Miss. river and North of the Southern boundaries of Ky. and Va., including also St. Louis, Mo., and Davenport, Ia., parallel; La., Miss., Ala., South of 31° Texas, E. of 100° Meridian and S. of 31° parallel and Fla., in Me., N. H., and Vt.; special local zone prices apply for ship't to various counties. Zone 2: Ark. East of 98° Meridian, Neb., E. of 98° Meridian; Tex., N. of 31° parallel and E. of 100° Meridian (except Wichita Falls), Ala., La., and Miss. N. of 31° parallel; Iowa (except Davenport), Ga., Minn., Mo. (except St. Louis), N. and S. C. and Tenn. Zone 3: Kansas, Neb., W. of 98° Meridian, Tex., W. of 100° Meridian (including Wichita Falls, but excluding El Paso), N. and S. D., Okla., Ark., W. of 98° Meridian. Zone 4: El Paso, Tex.; Ariz., Colo., Idaho, Mont., Nev., N. M., Utah and Wyo.

Soda, benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., fib., 4,000 lbs. or more..lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs. or less.....lb. .50 - —
Bicarbonate, tech., bbls., c.l., works..100 lbs. 1.70 - —
l.c.l. .....100 lbs. 2.05 - —
bgs., c.l.....100 lbs. 1.55 - 1.60
l.c.l. .....100 lbs. 1.90 - 1.95
USP, gran., bbls., c.l., works, 100 lbs. 2.25 - —
powd., bbls., c.l., works... 100 lbs. 1.85 - —
l.c.l., dlvd., N.Y..100 lbs. 2.51 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N.Y..100 lbs. 2.76 - —
Bichromate, spot, c.l., works, lb. .06¾- —
l.c.l., 6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks., or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .11½- .12
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.00 - 3.10
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 22 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works..100 lbs. 1.55 - —
38 deg., bbls., c.l., works.. 100 lbs. 1.35 - —
l.c.l., bbls., works..100 lbs. 1.60 - —
35 deg., bbls., c.l., works.. 100 lbs. 1.40 - —
l.c.l., bbls., works..100 lbs. 1.65 - —
44 deg., bbls., works..100 lbs. 1.85 - —
l.c.l., bbls., works..100 lbs 1.90 - —
Bromide, USP, gran., bbls., 500 lbs..lb. .27 - —
fiber drms., 100 lbs.....lb. .28 - —
Cacodylate, 1-kilo bots.....lb. No prices
Carbonate (see Soda ash, soda monohydrated, soda sal).
Caustic, flake, 76% powd., ammon. process, bbls., c.l., works..100 lbs. 2.95 - —
drms., c.l., works..100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.00
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, drms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49%, buyers' tanks, works..100 lbs. 1.92½- —
sellers' tanks, works, 100 lbs. 1.95 - —
70%, buyers' tanks, works, 100 lbs. 1.97½- —
sellers' tanks, works, 100 lbs. 2.00 - —
solid, 76% ammon., process, drms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —
electro process, drms., c.l., works..100 lbs. 2.30 - —
Soda, caustic, solid, electro process, drms., l.c.l., same zone prices as ammon. process. Caustic soda, l.c.l., prices are on the same basis as those for soda ash. The sales zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- —
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06¼
Chromate, spot, c.l., works..lb. .06¼- —
l.c.l., 6 cks., 10 bbls. or over, works..lb. .06¾- —
smaller quantities...lb. .06¾- —
Citrate, USP VIII, 225-lb. bbls., lb. .18½- —
cns., 80-lb. lots.....lb. .20½- —
25-lb. lots.....lb. .22½- .23½
kgs., 100-lb. lots.....lb. .19½- —
USP XI, gran., bbls., 250-lb. lots..lb. .24 - —
boxes, 50-lb. lots.....lb. .26 - —
cns., 25-lb. lots.....lb. .28 - .29
kgs., 100-lb. lots.....lb. .25 - —
powd., bbls., 250-lb. lots..lb. .24½- —
boxes, 50-lb. lots.....lb. .26½- —
cns., 25-lb. lots.....lb. .29½- —
kgs., 100-lb. lots.....lb. .25½- —
Cyanide, 96-98%, dom., dms, lb. .14 - .15
imports, 90%, cs.....lb. No price
Diacetate, 33-35% acidity, bbls., dlvd...lb. .09 - —
Fluoride, white, 90%, bbls., c.l., frt. alld..lb. .07 - —
l.c.l., 10 or over, same basis...lb. .07¼- —
1-9, same basis.....lb. .08 - —
96%, bbls., c.l., same basis, lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07¾- —
1-9, same basis.....lb. .08¼- —
Soda fluoride prices at Los Angeles are f.a.s. works.
Glycerophosphate, NF, cryst., bbls., 1,000-lb. lots..lb. 1.10 - —
smaller lots.....lb. 1.25 - —
cns., 25 lbs.....lb. 1.50 - —
powd., bbls., 1,000-lb. lots..lb. 1.15 - —
smaller lots.....lb. 1.30 - —
cns., 25 lbs.....lb. 1.55 - —
Hydrosulphite, dms.....lb. .17 - .18
Hydroxide, USP, ectives, cns., 100 to 1,000-lb. lots..lb. .22 - .24
Hypophosphite, N. F., cns., 100-lb. lots..lb. .67 - —
Hyposulphite, cryst., large, bgs., works, frt. equal'd...100 lbs. 2.25 - —
bbls., same basis...100 lbs. 2.45 - —
l.c.l., bgs., works, frt. equal'd...100 lbs. 2.50 - —
bbls., same basis...100 lbs. 2.70 - —
pea, bgs., c.l. works..100 lbs. 2.60 - —
bbls., works.....100 lbs. 2.90 - —
dms., works.....100 lbs. 3.10 - —
Soda, hyposulphite, 5,000 lbs. and over, bgs., works..100 lbs. 2.75 - 3.00
bbls., works.....100 lbs. 2.95 - 3.20
dms., works.....100 lbs. 3.25 - 3.60
2,500 to 5,000 lbs., bgs., works..100 lbs. 2.85 - 3.10
bbls., works.....100 lbs. 3.05 - 3.30
dms., works.....100 lbs. 3.35 - 3.60
500 to 2,500 lbs., works, 100 lbs. 3.10 - 3.35
bbls., works.....100 lbs. 3.30 - 3.55
dms., works.....100 lbs. 3.60 - 3.85
less than 500 lbs., bgs., works..100 lbs. 3.70 - 3.95
bbls., works.....100 lbs. 3.90 - 4.15
dms., works.....100 lbs. 4.20 - 4.45
Iodate, jars.....lb. 5.49 - —
Iodide, jars.....lb. 2.42 - —
bots. .....lb. 2.53 - 2.67
Mandelate, dms., 100-lb. dms.lb. 3.25 - —
Metanilate, bgs.....lb. .41 Nom.
Metasilicate, anhydr., dms., c.l., works, frt. equald..100 lbs. 3.75 - —
15 dms. and over, dlvd. N.Y..100 lbs. 4.65 - —
5-14 dms., same basis.. 100 lbs. 4.80 - —
1-2 dms., same basis.. 100 lbs. 5.05 - —
gran., bbls., c.l., works...lb. 2.35 - —
10 bbls. and over, dlvd., N.Y..lb. 3.10 - —
1-9 bbls., dlvd. N.Y.....lb. 3.35 - —
Molybdate, kgs., works.....lb. .60 - —
less kgs.....lb. .65 - —
Monohydrated, bbls.....100 lbs. 2.60 - —
works .....100 lbs. 2.80 - —
Naphthionate, bbls.....lb. .50 - —
Nitrate, crude, c.l., 100-lb. bgs., dlvd., f.o.b. cars producing points or ports, rail or boat shipment..ton.29.40 - —
200-lb. bgs., same basis.. ton.28.70 - —
bulk, same basis.....ton.27.00 - —
rfd., gran., bbls., 10 ton.. 100 lbs. 2.50 - —
1-9 tons.....100 lbs. 2.65 - —
smaller lots.....100 lbs. 2.90 - —
powd., bbls., 10 tons..100 lbs. 5.50 - —
1-9 tons.....100 lbs. 5.65 - —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized, lb. .06¾- —
c.l., West Coast, f.o.b. ports..lb. .08 - —
l.c.l. .....lb. .08¼- .11½
Soda nitrite l.c.l. prices range represents delivery at various points.
Orthosilicate, anhy., dms., c.l., works, frt. equal'd..lb. 4.50 - —
15 dms. and over, same basis..lb. 5.45 - —
3-14 dms., same basis..lb. 5.60 - —
1- 2 dms., same basis..lb. 5.85 - —
flake, dms., c.l., works.. 100 lbs. 3.00 - —
Oxalate, neut., bbls.....lb. .09 - —
kgs. .....lb. .10 - .11
Perborate, NF, bbls., c.l., works, lb. .14¾- —
l.c.l., works.....lb. .15½- —
Pentachlorphenate briquets, single bgs., works..lb. .26 - —
70 lbs., bgs., works.....lb. .19½- —
490 lbs. bgs., works.....lb. .17½- —
powd., 100 lbs., bgs., works, lb. .19 - —
500 lbs., bgs., works.....lb. .17 - —
Phosphate, dibasic, anhyd., bgs., c.l., works..100 lbs. 5.15 - 5.40
l.c.l., works.....100 lbs. 6.10 - 6.35
bbls., c.l., works...100 lbs. 5.35 - 5.60
l.c.l., works.....100 lbs. 6.30 - 6.55
cryst., tech., bgs., c.l., works, 100 lbs. 2.10 - 2.20
l.c.l., works.....100 lbs. 2.50 - 2.60
bbls., c.l., works...100 lbs. 2.30 - 2.40
l.c.l., works.....100 lbs. 2.70 - 2.80
monobasic, anhyd., bgs., c.l., works..100 lbs. 7.23 - —
l.c.l., works.....10 lbs. 8.00 - —
bbls., c.l., works...100 lbs. 7.45 - —
l.c.l., works.....100 lbs. 8.20 - —
tribasic, bgs., c.l., works..lb. 2.25 - 2.35
l.c.l., works.....lb. 2.65 - 2.75
bbls., c.l., works...100 lbs. 2.45 - 2.55
l.c.l., works.....100 lbs. 2.85 - 2.95
kegs, c.l., works...100 lbs. 2.95 - 3.05
l.c.l., works.....100 lbs. 3.35 - 3.45
USP (dibasic), bbls., works, lb. .09 - .11
dried, bbls., dms., works..lb. .11½- .14
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., 10,000 lbs. or more..lb. .10½- —
contracts .....lb. .09½- —
smaller lots.....lb. .10¾- —
contracts .....lb. .09¾- —
Pyrophosphate, anhyd., bgs., c.l., works, frt., equal'd..100 lbs. 5.10 - —
l.c.l., same basis...100 lbs. 5.35 - 5.60
bbls., c.l., works, frt. equalized...100 lbs. 5.30 - —
l.c.l., same basis...100 lbs. 5.55 - 5.80
Ricinoleate, tech., bbls.....lb. .12 - —
Sal., bgs., dlvd. N. Y....100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - 1.30
Salicylate, bxs.....lb. .52 - —
Sesquicarbonate, bgs., c.l., works, 100 lbs. 1.50 - —
bbls., c.l., works...100 lbs. 1.70 - —
bbls., l.c.l., Zone 1....100 lbs. 2.70 - —
2 .....100 lbs. 2.85 - —
3 .....100 lbs. 3.10 - —
4 .....100 lbs. 3.50 - —
Soda sesquicarbonate l.c.l. prices are on same basis as those for soda ash and caustic soda. The sales area also the same.
Sesquisilicate, dms., c.l., works, 100 lbs. 2.00 - —
10 dms. or over, dlvd. N.Y.C., lb. 4.00 - —
1-9 dms.....lb. 4.25 - —
Silicate, 40° turbid, dms., c.l., works..lb. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1 to 4, works....100 lbs. 1.20 - —
52°, dms., c.l., works...100 lbs. 1.40 - —
l.c.l., 5 or more, works, 100 lbs. 1.65 - —
1 to 4, works....100 lbs. 1.80 - —
Silicofluoride, dom., bbls.....lb. .09¾- .11
Stannate, dms.....lb. .33 - .36
Stearate, lump, powd., bbls., works..lb. .19 - .24
Sulphate, anhyd., bgs., bbls., c.l., works...100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphide, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 2.75 - —
less than 5 tons, dlvd., 100 lbs. 3.00 - —
Soda, sulphide, solid, bbls., c.l., works..100 lbs. 3.90 - —
l.c.l., 5 tons or over, dlvd., 100 lbs. 3.50 - —
less than 5 tons, dlvd., 100 lbs. 3.75 - —
Sulphite, cryst., bgs., 100 lbs., works..lb. 2.10 - 2.35
bbls. .....100 lbs. 2.50 - 2.55
powd., bbls., c.l.....100 lbs. 5.25 - —
l.c.l., 5 or more....100 lbs. 5.50 - —
1 to 4.....100 lbs. 6.00 - —
Sulphocarbolate, bbls., dms..lb. .27 - .31
Sulphocyanide, dms., cns...lb. .28 - .47
Sulphohydrate, liquid, 38%, basis 100%, dms., c.l., f.o.b. works..lb. .05½- —
l.c.l., works.....lb. .06 - —
single dm. lots, works....lb. .06 - —
tanks, works.....lb. .04½- —
Sulphoricinolate, bbls.....lb. .12 - —
Thiosulphate (see Hyposulphite).
Tungstate, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent, naphtha, dms., wks..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
W. Coast, f.o.b. Minnequa, Colo..gal. .26 - —
high-flash, dms., works..gal. .31 - —
tanks, E. of Omaha, frt. alld..gal. .26 - —
Sorbitol, com'l, dms., c.l., works, lb. .14¾- —
ton lots, contracts, works, lb. .15½- —
smaller lots, works.....lb. .15¾- —
Soybean protein, bgs., c.l., works, lb. .11½- —
l.c.l., works.....lb. .11¾- .15
Sparteine sulphate, cns.....oz. 3.60 - 3.25
Spearmint leaves, bls.....lb. .30 - .31
Spikenard root, bls.....lb. .16 - .17
Spruce extract, reg., bbls., c.l., works..lb. .01¾- —
tanks, works.....lb. .01¼- —
powd., super, bgs., c.l., works, lb. .04 - —
super, bbls., c.l., works.....lb. .01¾- —
tanks, works.....lb. .01¾- —
Squawvine, leaves, bls.....lb. .14 - .15
Squill, red, powd.....lb. 1.25 - 1.30
White, bls.....lb. No prices
powd., bbls., bxs.....lb. No prices
St. Ignatius beans, bgs.....lb. .45 - .46
St. John's Bread, edible, bls., lb. .15 - .20
inedible, bls.....lb. .09 - .10
Starch, corn, pearl, bgs., f.o.b. Chicago..100 lbs. 2.90 - —
dlvd., N.Y.....100 lbs. 3.25 - —
powd., bgs., f.o.b. Chicago, 100 lbs. 3.00 - —
dlvd., N.Y.....100 lbs. 3.35 - —
Potato, dom., bgs.....lb. .04½- .05½
import, bgs.....lb. No price
Rice, bbls.....lb. .07½- .08½
Sweetpotato, bgs.....lb. .06¾ Nom.
bbls. .....lb. .07 Nom.
Wheat, thick, boil, bgs.....lb. .05 - —
Starch, iodide, bots.....lb. 1.87 - —
Stavesacre, seed, bgs.....lb. .35 - .40
Stearin, oleo, bbls.....lb. .06¾ Nom.
Stillingia root, bls.....lb. .07½- .08
Stoneroot, bls.....lb. .07½- .08
Storax, cs.....lb. .75 - .80
Stramonium leaves, bls.....lb. .45 - .50
Strontium bromide, cns.....lb. .53 - .55
Carbonate, NF, IV, 250-lb. bbls..lb. No prices
tech., 90-100%, precip., bbls., lb. .25 Nom.
Chloride, tech., bbls.....lb. .22 - .26
Iodide, bots., 5 lbs.....lb. 2.06 - —
jars, 25 lbs.....lb. 3.00 - —
Nitrate, dom., bbls., c.l., works, lb. .07¾- —
25 bbls. and over.....lb. .06¼- —
1-24 bbls. and over.....lb. .05¾- —
Strophanthus seed, Kombe, bgs.lb. 3.75 - 4.00
Strolyl acetate, bots.....lb. 3.10 - 3.20
Strychnine, cryst., cns., 100-oz. lots..oz. .60 - —
Acetate, 25-oz. cns., 100-oz. lots..oz. .79 - —
Arsenate, 25-oz. cns., 100-oz. lots..oz. .82 - —
Arsenite, 25-oz. cns., lots..oz. .79 - —
Glycerophosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Hydrochloride, 25-oz. cns., 100-oz. lots..oz. .79 - —
Hypophosphite, 25-oz. cns., 100-oz. lots..oz. .91 - —
Nitrate, 25-oz. cns., 100-oz. lots..oz. .73 - —
Phosphate, 25-oz. cns., 100-oz. lots..oz. .80 - —
Sulphate, cryst., cns., 100-oz. lots..oz. .50 - —
powd., cns., 100-oz. lots.oz. .40 - —
Sucrose Octa-acetate, denat. grade, bbls., l.c.l., works...lb. .45 - —
tech., bbls., l.c.l., works.....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.45
Milk, bbls., c.l.....lb. .16 - —
l.c.l., 10 or over.....lb. .17 - —
less than 10.....lb. .18 - —
Sulfanilamide, 5 lbs., bots.....lb. 1.70 - —
fib. drms., 1,000 lbs., 1 delivery, lb. 1.25 - —
100 lbs.....lb. 1.30 - —
25-lb. lots.....lb. 1.45 - —
Sulfapyridine, powd., for hospitals, 5-grain bots..bot. 1.25 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - —
Sulphur, crude, bulk, f.o.b. cars, mines, contracts..long ton.16.00 - —
f.o.b. steamers, Gulf ports, contract..long ton.17.50 - —
Flowers, USP, bgs., c.l., mine, 100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
bbls., c.l., mine.....100 lbs. 3.15 - —
l.c.l., mine.....100 lbs. 3.70 - —
Flour, comm'l., bgs., c.l., mine, 100 lbs. 1.40 - —
l.c.l., mine.....100 lbs. 1.95 - —
Refined, cast, bgs., c.l., mine, 100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
heavy, USP, bgs., c.l., mine, 100 lbs. 2.35 - —
l.c.l., mine.....100 lbs. 2.90 - —
bbls., c.l., mine.....100 lbs. 2.70 - —
l.c.l., mine.....100 lbs. 3.25 - —
light, USP, bgs., c.l., mine, 100 lbs. 2.45 - —
l.c.l., mine.....100 lbs. 3.00 - —
bbls., c.l., mine.....100 lbs. 2.80 - —
l.c.l., mine.....100 lbs. 3.35 - —
lump, bgs., c.l., mine..100 lbs. 1.95 - —
l.c.l., mine.....100 lbs. 2.50 - —
bbls., c.l., mine.....100 lbs. 2.10 - —
l.c.l., mine.....100 lbs. 2.65 - —
roll, bgs., c.l., mine....100 lbs. 2.15 - —
l.c.l., mine.....100 lbs. 2.70 - —
bbls., c.l., mine.....100 lbs. 2.30 - —
l.c.l., mine.....100 lbs. 2.85 - —
Rubbermakers, comm'l, 99¼%, bgs., c.l. frt. alld..100 lbs. 2.00 - —
refined, 100%, bgs., c.l., frt. alld..100 lbs. 2.85 - —
Sulphur, chloride, 55-gal. dms., c.l..lb. .03 - —
l.c.l., dms., works....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liquid, com'l, cyls., works..lb. .07 - .09
multi-unit, cars, works..lb. .04½- .07
tanks, works.....lb. .04 - .06
refrigeration, cyls., works..lb. .16 - .40
multi-unit cars, works..lb. .07¼- .10
Iodide, bots., jars.....lb. 3.90 - 4.05
Precipitated, USP, bbls.....lb. .17 - .22
Sumac, grd., Sicilian, f.a.s...ton. No prices
leaf, f.a.s.....ton. No prices
Extract, 42°, bbls.....lb. .06 - .06¼
51°, bbls.....lb. .07 - .07¼
stainless, bbls.....lb. .09 - .11
Berries, bgs.....lb. .10 - .12
Sunflower seed, Calif., large, bgs., lb. .06½- .07
medium, bgs.....lb. .06 - .06¼
poultry, Argentine.....lb. .0465- .0495
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto., ton. 8.50 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.00 - —
triple, 40-48%, a.p.a., bulk, fob. Balto..unit-ton. .08 - —

T

Talc., dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N. Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills..ton.14.00 -16.00
l.c.l. mills.....ton.16.00 -18.00
96-98%, 325 mesh, c.l., mills, ton.15.00 -17.00
l.c.l., mills.....ton.17.00 -19.00
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 -17.25
l.c.l., mills.....ton.17.25 -19.25
98-99½%, 325 mesh, bgs., l.c.l., ton.17.25 -19.25
99.85-99.95%, 325 mesh, bgs., c.l., mills..ton.17.00 -19.00
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, flake, type grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.50 - —
Vermont, bgs., c.l., mills..ton.14.00 - —
l.c.l., ex whse.....ton.25.00 - —
Imp., Canad., bgs., c.l., mills, ton. No prices
French, high-grade, bgs., l.c.l., ex whse..ton. No prices
ordinary, bgs., c.l., ex dock, arrival..ton. No prices
l.c.l., ex whse.....ton. No prices
Italian, 1, bgs., ex dock, arrival..ton. No prices
ex whse.....ton. No prices
2, bgs. ex dock, arrival..ton. No prices
Tallow, extra, loose.....lb. .05 - —
special, loose.....lb. .04½- —
sulphonated, 35% (24% fat), dms., c.l. lb. .03¾- —
l.c.l. .....lb. .04¼- —
50% (43% fat), dms., c.l..lb. .05¼- —
l.c.l. .....lb. .06¼- —
50% (43% fat), dms., c.l..lb. .05¾- —
l.c.l. .....lb. .06¾- —
Tamarind, No. 1, bbls.....lb. .06 - .07
kegs .....keg 6.00 - 8.00
Tankage, fertilizer, animal, dom., grd., 9% ammon., 10% b.p.l., bulk, basis N.Y..unit-ton. 2.50 & .10
10-11% ammon., 15% b.p.l., bulk, basis Chi..unit-ton. 2.50 & .10
feeding, unground, 9-11% ammon., 15-20% b.p.l., bulk, basis N.Y..unit-ton. 2.65 & .10
high-grade, bulk, Chicago unit-ton. 3.00 & .10
import, S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, January shipments, unit-ton. 2.75 & .10
Tansy leaves, bls.....lb. .22 - .23
Tapioca flour, bgs.....lb. .03 - .05
Tar acid oil, 15%, dms., c.l., works..gal. .23 - —
l.c.l., same basis.....gal. .24 - —
25%, dms., c.l., works....gal. .25 - —
l.c.l., same basis.....gal. .27 - —
Tar, pine, retort, dms., c.l., dlvd. E. cities..gal. .27 - —
ports .....gal. .26 - —
l.c.l. .....gal. .27 - —
tanks, dlvd. E. cities....gal. .21 - —
Tarragon herb, bgs.....lb. 1.10 Nom.
Tartar emetic, tech., fine gran. or powd., bbls., 5 or more, lb. .42½- —
less than 5.....lb. .43 - —
USP, powd, bbls.....lb. .48 - —
Terebene, cns.....lb. .75 - .85
Terpinyl acetate, cns.....lb. .80 - .85
Terpin hydrate, bgs.....lb. .60 - .65
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .28 - —
alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms., wks..lb. .08 - .09½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech. (see Perchloroethylene).
Tetralin, dms.....lb. .15 - —
Tetrasodium pyrophosphate (see soda pyrophosphate).
Thallium sulphate, 99% pure, bots., works..lb. 5.00 - 7.00
Theobromine, dms.....lb. 2.90 - 3.00
Sodiosalicylate, cns.....lb. 2.15 Nom.
dms. .....lb. 1.95 Nom.
5-lb. bots.....lb. 2.31 - 2.36
Thiocarbanilide, dms.....lb. .24 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .62 - .64
Spanish, bls.....lb. .11½- .12
Thymol, dms., 100 lbs.....lb. 1.40 - —
cns., 25 lbs.....lb. 1.45 - 1.50
Iodide, kgs., 50 lbs.....lb. 3.40 - —
25 lbs.....lb. 3.50 - —
Thiamine hydrochloride, cns.gram. .99 - 1.00
Timbo root (see Cube root).
Tin chloride (ous), anhyd.....lb. .47½- .48
Crystals, bbls., kgs.....lb. .38½- .39
Metal, Straits.....lb. .51 - —
Oxide, bbls.....lb. .54 - .56
Tetrachloride, anhyd., bbls...lb. .25¾- .26
Titanium, dioxide, bgs., c.l., (20 tons)..lb. .13½- —
l.c.l., 5 tons, single delivery, lb. .13¾- —
1,000-9,999 lbs.....lb. .14 - —
50-999 lbs.....lb. .14¼- —
under 50 lbs.....lb. .16¼- —
bbls., c.l. (20 tons).....lb. .13¾- —
l.c.l., 5 tons, single delivery, lb. .14 - —
1,000-9,999 lbs.....lb. .14¼- —
50-999 lbs.....lb. .14½- —
non-chalking, bgs., c.l. (20 tons)..lb. .15¼- —
l.c.l., 5 tons, single delivery, lb. .15¾- —
1,000-9,999 lbs.....lb. .16 - —
50-999 lbs.....lb. .16¼- —
under 50 lbs.....lb. .18½- —
bbls., c.l. (20 tons).....lb. .15¾- —

Titanium, dioxide, non-chalking.
l.c.l., 5 tons, single delivery.
lb. .16 - —
1,000-9,999 lbs. lb. .16½ - —
50-999 lbs. lb. .16½ - —
chalk-resistant, bgs., c.l., (20 tons) lb. .14 - —
l.c.l., 5 tons, single delivery.
lb. .14½ - —
1,000-9,999 lbs. lb. .14½ - —
50-999 lbs. lb. .14¾ - —
under 50 lbs. lb. .17 - —
bbls., c.l. (20 tons) lb. .14¼ - —
l.c.l., 3 tons, single delivery.
lb. .14½ - —
1,000-9,999 lbs. lb. .14¾ - —
50-999 lbs. lb. .15 - —
barium or magnesium base, bgs., c.l., (20 tons) lb. .05½ - —
l.c.l. lb. .05¾ - —
under 50 lbs. lb. .06¼ - —
bbls., c.l. (20 tons) lb. .05¾ - —
l.c.l. lb. .06 - —
calcium base, bgs., c.l. (20 tons) lb. .05¼ - —
l.c.l. lb. .05¾ - —
under 50 lbs. lb. .06¼ - —
bbls., c.l. (20 tons) lb. .05½ - —
l.c.l. lb. .05¾ - —
calcium-rutile base, bgs., c.l. (20 tons) lb. .05½ - —
l.c.l. lb. .05½ - —
under 50 pounds lb. .06¼ - —
bbls., c.l., (20 tons) lb. .05½ - —
l.c.l. lb. .05¾ - —

Carload prices are f.o.b. factories with actual freight paid. Less than carload prices are f.o.b. factories or ex warehouse with actual freight or trucking paid, except on the Pacific Coast, where they are f.o.b. warehouses.

Toluidin base, distilled, kgs. lb. .96 - —
Tolu, balsam, cns. lb. .85 - .90
Toluidin, mixed, dms. lb. .26 - —
Toluol (toluene), 2° indus., dms., returnable gal. .32 - —
tanks, E. of Omaha, frt. alld. gal. .27 - —
tanks, W. Coast, f.o.b. Minnequa, Colo. gal. .27 - —
1° nitration, dms., returnable. gal. .33½ - —
tanks, E. of Omaha, frt. alld. gal. .28½ - —
W. Coast, f.o.b. Minnequa, Colo. gal. .28¼ - —
Tonga vine, F, bls. lb. .65 - .70
root, bls. lb. .65 - .70
Tonka beans, Angostura, cks. lb. 2.40 - 2.50
Brazilian, Surinam, cs. lb. .70 - .85
Triacetin, dms. lb. .26 - —
Triamyl borate, dms., l.c.l., works. lb. .27 - —
Triamylamine, l.c.l., works. lb. .90 - —
Tributylamine, dms., c.l., works. lb. .67 - —
l.c.l., same basis. lb. .70 - —
tanks lb. .65 - —
Tributyl citrate, ton lots, 475-lb. dms. lb. .24 - —
smaller lots. lb. .26 - —
Phosphate, dms., l.c.l., dlvd. lb. .42 - —
cns., works. lb. .46 - .48
Trichlorobenzene, dms., c.l., frt. alld. lb. .07 - —
l.c.l., same basis. lb. .07¼ - —
tanks lb. .06½ - —
Trichlorethylene, dms., c.l., works., frt. alld., Zone 1. lb. .08 - —
l.c.l., same basis. lb. .08½ - —
Zone 2, dms., c.l., works, frt. alld. lb. .08¼ - —
l.c.l., same basis. lb. .09 - —
Zone 3, dms., c.l., works, frt. alld. lb. .09 - —
l.c.l., same basis. lb. .09½ - —
Zone 4, dms., c.l., f.o.b. stock points. lb. .09 - —
l.c.l., same basis. lb. .09½ - —

All prices on trichlorethylene are frt. alld. with the exception of Zone 4, in which case the prices indicated are based on f.o.b. L. A., Cal.; S. F. Cal.; Portland, Ore., and Seattle, Wash. Zone 1 includes the following States:—Conn., Md., N. Y., Va., Ky., Me., N. J., Vt., W. Va., Mo., Tenn., Ind., Ia., Pa., R. I. Ill., Mich., Minn., Wis., Del.; Mass., N. C., O., Omaha, Neb.; Kansas City, Kansas. Zone 2 includes Ala., Kan., except Kansas City, N. D., Ga., Neb., except Omaha; S. D., Miss., Ark., S. C., La., Okla. and Fla. Zone 3 includes Colo., N .M., Wyo., Texas and Eastern Montana. Zone 4 includes Arizona, Western Montana, Idaho, Ore., Nev., Wash., Utah and Cal.

Tricresyl phosphate, CP, cns., dlvd. lb. .40½ - .51½
dms., c.l., dlvd. lb. .34½ - —
tech., dms. lb. .22 - —
500 lbs., dms. lb. .22½ - —
less than 500 lbs. lb. .25½ - .36½
Triethanolamine, dms., c.l., works, lb. .19 - —
l.c.l., works. lb. .20 - —
tanks, works. lb. .18 - —
Triethylamine, dms., l.c.l., works, lb. 1.05 - —
Triethyl citrate, ton lots, 500-lb. dms. lb. .24 - —
smaller lots. lb. .26 - —
Triethyl phosphate, dms., dlvd., lb. .45 - —
Triethyleneglycol, dms., l.c.l., works. lb. .26 - —
Trimethyl phosphate, cns. lb. .54 - .56
dms., dlvd. lb. .50 - —
Trimethylamine, dms., c.l., dlvd., lb. 1.00 - —
l.c.l., dlvd. lb. 1.05 - —
Triphenyl phosphate, dms. lb. .38 - —
Tripoli, air-floated, bgs., c.l., works. ton. 26.00 - —
double grd., bgs., c.l., works, ton. 16.00 - —
ence-grd., bgs., c.l., works. ton. 14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal powd., 90%, dms., works. lb. No prices
Oxide, CP, kgs. lb. No prices
Chem. grade, kgs. lb. No prices
Turmeric root, Alleppey, bgs. lb. .07¾ - .08
Madras, bgs. lb. .07¼ - .07½
Turpentine, spirits, gum, bbls., c.l., ex dock. gal. .44 - —
l.c.l., 10 ex dock. gal. .46 - —
5 ex dock. gal. .48 - —
wood, dest., dist., dms., c.l., dlvd. E. ports. gal. .35 - —
l.c.l. gal. .36 - —
tanks, dlvd. E. cities. gal. .30 - —
steam-dist., dms., c.l., dlvd. gal. .37 - —
l.c.l., dlvd. gal. .40 - —
tanks, dlvd. gal. .32 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, kgs. lb. 2.85 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N., bgs., 20 tons, f.o.b. Belle, W. Va., Searsport, Me., Norfolk, Wilmington, N. C., Charleston, Savannah, Jacksonville, Tampa, Pensacola, Mobile, Gulfport, New Orleans. ton. 85.00 - —
5 tons, f.o.b. Baltimore, Boston, New York, Newark, Philadelphia, Wilmington, Del. ton. 85.00 - —
46%, bgs., smaller lots, f.o.b. Newark, New York, Philadelphia. ton. 91.00 - —
any quantity, f.o.b. Belle, W. Va. ton. 85.00 - —
import, 40% N., bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., ship. ton. No prices
smaller lots, f.o.b. N. Y. whse. ton. No prices
pure, cs. lb. .12 - —
Urea-ammonia, basis 42% N., bulk, c.l., f.o.b. Belle, W. Va., or Atl., Gulf ports. ton. 57.40 - —
bags, same basis. ton. 59.40 - —
45% N., tanks, f.o.b. Belle, W. Va., or Atl., Gulf ports. ton. 121.58 - —
37% N. (insoluble), f.o.b. Belle, W. Va., or Atl., Gulf ports. ton. 127.00 - —
Uva ursi leaves, bls. lb. .11 - .12

V

Valerian root, bls. lb. 1.25 - 1.50
Valonia, beards, bgs., f.a.s. ton. No price
cups, bgs., f.a.s. ton. No price
Vanadium pentoxide, C.P., bgs., cns., works. lb. 7.00 - —
tech., dms., works. lb. 1.10 - —
Vanilla beans, Bourbon, tins. lb. 10.00 Nom.
Mexican, tins. lb. 9.00 - 9.50
cuts, tins. lb. 8.25 - 8.75
South American, tins. lb. 9.00 Nom.
Tahiti, tins. lb. 5.75 Nom.
Oleoresin, bots. lb. No quotations
Vanillin, ex eugenol, 25-lb. tins, lb. 2.60 - —
5-lb. tins. lb. 2.65 - —
1-lb. tins. lb. 2.75 - —
ex guaiacol, 25-lb. tins. lb. 2.50 - —
5-lb. tins. lb. 2.55 - —
1-lb. tins. lb. 2.65 - —
ex lignin, 25-lb. tins. lb. 2.56 - —
5-lb. tins. lb. 2.55 - —
1-lb. tins. lb. 2.65 - —
Venice turpentine, true, cs. lb. 1.25 - 1.30
Verdigris, bbls., kgs. lb. .22 - .23
Vinyl acetate, cns., works. lb. .25 - —
dms., c.l., 30,000 lbs. gross, works. lb. .14 - —
l.c.l., works. lb. .15 - —
5 gals., dms., works. lb. .25 - —
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).

W

Wahoo bark, bls. lb. .40 - .41
tree lb. .19 - .22
Wattle bark, bgs., f.a.s. ton. 38.50 - 40.50
Extract, solid, bgs. lb. .03¾ - —
Wax, bayberry, import, bgs. lb. .19 - .20
Bees, white, bleach, slabs, cs., lb. .38 - .40
cake, cs. lb. .39 - .41
discs, cs. lb. .40 - .42
yellow, crude, Africa, 10-bg. lots. lb. .30 Nom.
1 bg. lb. .30½ Nom.
Brazil, bgs., 5-ton lots. lb. .31 - .32
1 ton. lb. .31½ - .32¼
500 lbs. lb. .32 - .33
100 lbs. lb. .32½ - .33
refd., slabs, cs., lbs. lb. .35 - .36
Candelilla, bgs., 1 ton. lb. .19½ - .20
Jobbing lots. lb. .20 - .20½
Carnauba, No. 3 chalky, bgs., 1 ton. lb. .56 - .57
5 bgs. lb. .56½ - .57½
1 bg. lb. .57 - .58
N. C., 2, bgs., 1 ton. lb. .63 - .64
N. C., 3, bgs., 1 ton. lb. .59 - .60
5 bgs. lb. .59½ - .60½
1 bg. lb. .60 - .61
refined, bgs. lb. .65 - .66
yellow, No. 1, bgs, ton. lb. .68 - .69
5 bgs. lb. .68½ - .69½
1 bg. lb. .69 - .70
No. 2, bgs. lb. .67 - .68
Ceresin, dom., 158°, 140° m.p., bgs., 1 ton. lb. .11 - .11½
jobbing lots. lb. .12 - .12½
150°-160° m.p., bgs., 1 ton. lb. .13 - .13½
jobbing lots. lb. .14 - .14½
160° m.p., bgs., 1 ton. lb. .14 - .14½
jobbing lots. lb. .15 - .15½
Japan, cs. lb. .17 - .17½
Montan, bgs., c.l. lb. No prices
5 tons. lb. No prices
less than 1 ton. lb. No prices
Ozokerite, hard, green congeal, p. 66°-68° C., bgs. lb. No prices
70°-72° C., bgs. lb. No prices
74°-76° C., bgs. lb. No prices
Snow-white, pure, 76°-78° C., bgs. lb. No prices
yellow, natural, 76°-78° C., bgs. lb. No prices
Paraffin (see P).
Spermaceti, blocks, cs. lb. .24 - .26
cakes, cs. lb. .25 - .26
White lead (see Lead, white).
White pine bark, rossed, bls. lb. .07 - .08
White precipitate, powd., dms., 50 lbs. or more. lb. 2.54 - —
Whiting, chalk, com'l, dry-grd., blp. bgs., c.l., works. ton. 16.00 - 20.00
l.c.l., works. ton. 18.00 - 22.50
bbls., c.l., works. ton. 19.00 - 24.00
l.c.l., works. ton. 21.00 - 26.00
pap. bgs., c.l., works. ton. 15.00 - 18.00
l.c.l., works. ton. 17.00 - 20.00
wet-grnd., blp. bgs., c.l., works. ton. 18.50 - 22.50
l.c.l., works. ton. 19.00 - 23.00
bbls., c.l., works. ton. 21.00 - 25.00
gilders, bolted, blp. bgs., c.l., works. ton. 18.00 - —
l.c.l., works. ton. 19.00 - —
bbls., c.l., works. ton. 20.00 - 21.00
l.c.l., works. ton. 21.00 - 22.00
pap. bgs., c.l., works. ton. 17.00 - 18.50
l.c.l., works. ton. 18.00 - 19.00
extra bolted, blp. bgs., c.l., works. ton. 20.00 - —
l.c.l., works. ton. 21.00 - —
bbls., c.l., works. ton. 22.00 - 23.00
l.c.l., works. ton. 23.00 - 24.00
pap. bgs., c.l., works. ton. 19.00 - 20.50
l.c.l., works. ton. 20.00 - 21.00
Paris white, blp. bgs., c.l., works. ton. 19.00 - —
l.c.l., works. ton. 20.00 - —
bbls., c.l., works. ton. 22.50 - 27.50
l.c.l., works. ton. 22.00 - 28.00
pap. bgs., c.l., works. ton. 19.00 - 25.10
l.c.l., works. ton. 20.00 - 26.50
Whiting, limestone, air floated, 99.75%, 250 mesh, paper bags, c.l. ton. 9.65 - —
200 mesh, paper bgs., c.l., same basis. ton. 8.60 - —
90%, 200 mesh, paper bgs., c.l., same basis. ton. 6.25 - —
gilders, bgs. (extra), c.l., works. ton. 11.50 - —
l.c.l., 8-20 tons, works. ton. 12.50 - —
4-8 tons, works. ton. 13.50 - —
2-4 tons, works. ton. 14.50 - —
wet-grd., limestone, gilders, extra, bgs., c.l., works. ton. 12.50 - —
l.c.l., 8-20 tons, works. ton. 13.50 - —
4-8 tons, works. ton. 14.50 - —
2-4 tons, works. ton. 15.50 - —
putty grade, bgs. (extra), c.l., works. ton. 11.00 - —
l.c.l., 8-20 tons, works. ton. 12.50 - —
4-8 tons, works. ton. 13.00 - —
2-4 tons, works. ton. 14.00 - —
water-floated, bgs. (extra), c.l., works. ton. 11.50 - —
l.c.l., 8-20 tons, works. ton. 12.50 - —
4-8 tons, works. ton. 13.50 - —
2-4 tons, works. ton. 14.50 - —
Precipitated, bgs., c.l., works, ton. 15.00 - —
l.c.l., 5 tons, works. ton. 20.00 - —
smaller lots, works. ton. 25.00 - —
Wild cherry bark, thick, natural, bls. lb. .07 - .08
rossed, bls. lb. .05 - .06
thin, natural, bls. lb. .07 - .08
rossed, green, bls. lb. .10 - .17
Wild indigo root, bls. lb. .13 - .14
Witch-hazel extract, dist., NF, tax extra, bbls. gal. .40 - .45
leaves, bls. lb. .07 - .09
Witherite (see Barium carbonate, natural).
Woodflour, dom., 60 mesh, bgs., c.l., f.o.b. N.Y. ton. 24.00 - 25.00
80 mesh, same basis. ton. 26.00 - 28.00
100 mesh, same basis. ton. 30.00 - 32.00
import, 70 mesh, bgs., ex dock, ton. No prices
80 mesh, bgs., ex dock. ton. No prices
100 mesh, bgs., ex dock. ton. No prices
120 mesh, bgs., ex dock. ton. No prices
Wormseed, American, bgs. lb. .07 - .08
Levant, bgs. lb. No prices
Wormwood, bls. lb. 1.00 - 1.10

X

Xylol (xylene), indus., dms., returnable, works. gal. .31 - —
tanks, E. of Omaha, frt. alld. gal. .26 - —
tanks, W. Coast, f.o.b. Minnequa, Colo. gal. .26 - —
10°, dms., returnable, works, gal. .34 - —
tanks, E. of Omaha, frt. alld. gal. .29 - —
5°, dms., returnable, works, gal. .41 - —
tanks, E. of Omaha, frt. alld. gal. .39 - —
8°, dms., returnable, works. gal. .48 - —
tanks, E. of Omaha, frt alld. gal. .46 - —
Xylidin, mixed, dms. lb. .35 - .36

Y

Yara yara, cryst., cns. lb. 1.25 - 1.55
Yellow, arsenic sulphide, dom., bbls., f.o.b. New York. lb. .55 - —
bottles, same basis. lb. .60 - .64
imp., bbls., same basis. lb. .55 - —
Cadmium, CP, import., bxs., lb. 1.35 - 1.40
lithopone, all shades, bbls., 1 ton, works., frt. alld. lb. .50 - —
smaller lots, same basis. lb. .55 - —
kgs., ton lots, same basis, lb. .55 - —
smaller lots, same basis. lb. .60 - —
Sulphide, orange, bbls., works. lb. .75 - —
Yellow, chrome, CP, bbls., dlvd., No. of Tenn. and N. C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts. lb. .13½ - —
open order. lb. .14½ - —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ¼c. higher dlvd. Pac. coast for Denver, Pueblo, Salt Lake City, Wichita, prices are equalised with Chicago.
Dutch, pink, bbls. lb. .09 - .11
Hansa, bbls., same basis, chrome. lb. 1.37 - —
primrose shade, bbls., same basis, chrome. lb. 1.75 - —
Mercury oxide (see M).
Ocher, Amer., golden A, bbls., works. lb. .06¼ - —
B, bbls., works. lb. .04½ - —
C, bbls., works. lb. .05¾ - —
yellow A, bbls., works. lb. .02¾ - —
B, bbls., works. lb. .02¼ - —
C, bbls., works. lb. .02 - —
D, bbls., works. lb. .0195 - —
E, bbls., works. lb. .01775 - —
F, bbls., works. lb. .01½ - —
G, bbls., works. lb. .01½ - —
H, bbls., works. lb. .01¾ - —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans for import. lb. .02475 Nom.
New York (f.o.b.). lb. .02¾ Nom.
Philadelphia for import. lb. .02¾ Nom.
ex dock San Pedro, San Francisco. lb. .0290 Nom.
l.c.l., ex dock, Balto, Boston, N. Orleans. lb. .02575 Nom.
New York. lb. .02¾ Nom.
Phila., for import. lb. .02¾ Nom.
Portland, Seattle. lb. .03½ Nom.
San Pedro, S. Francisco. lb. .03 Nom.
ex whse., Balto., Boston, N. Orleans. lb. .02725 Nom.
ex whse., Indianapolis, Kan. City, Milwaukee, St. Louis. lb. .03¾ Nom.
New York. lb. .03 Nom.
Pittsburgh. lb. .03¼ Nom.
Portland, Seattle. lb. .03¾ Nom.
San Pedro, S. Francisco. lb. .03¼ Nom.
f.o.b. N.Y., from dock, lb. .02¾ Nom.
from whse. lb. .03¾ Nom.

Titanium—Zinc Stearate

Yellow, oxide, nat., bbls., c.l., f.o.b. Bethlehem, Easton, N.Y. lb. .04½ - —
l.c.l., same basis. lb. .04¾ - —
synth., bbls., c.l., works. lb. .06½ - —
l.c.l., same basis. lb. .06¾ - —
Persian orange (see O).
Zinc, bbls., same basis, chrome CP, contracts. lb. .16 - —
open order. lb. .16 - —
Navy specification type, contracts. lb. .16 - —
open order. lb. .16 - —
Yellow dock root, dom., bls. lb. .17 - .18
Yellow root (xanthoriza), bls. lb. .11 - .13
Yerba santa leaves, bls. lb. .09 - —
Yohimbine hydrochloride, vis. oz. 3.00 - 3.50

Z

Zein, bgs., 1,000 lbs. or more, works. lb. .20 - —
less than 1,000 lbs., works. lb. .25 - —
Zinc acetate, tech., bbls., dlvd., lb. .15 - .16
USP, bbls., 250 lbs. lb. .27 - —
kgs., 100 lbs. lb. .29 - —
Arsenite, bgs., c.l., dealers, E. of Rockies. lb. .12 - —
l.c.l., bgs. lb. .12½ - —
Zinc arsenite prices are on a frt. alld. basis to dest., in lots of 96 lbs. or over.
Carbonate, tech., bbls. lb. .14 - .16
USP, precip., powd., bbls. lb. .32½ - —
25 lb. dms. lb. .37½ - —
kgs. lb. .34½ - —
Chloride, tech., fused, dms., c.l., works. 100 lbs. 4.25 - —
l.c.l., works. 100 lbs. 4.60 - —
gran., dms., c.l., works, 100 lbs. 5.06 - —
USP, 200-lb. dms. lb. .26 - —
25-lb. jars. lb. .31 - —
solution, 50%, dms., c.l., works. lb. .0290 - —
l.c.l., works. lb. .04 - .04½
tanks, works. lb. .0225 - —
Cyanide, kgs., works. lb. .33 - —
Dust, bbls., c.l., dlvd. lb. .09½ - —
l.c.l., bbls., dlvd. lb. .09¾ - —
Iodide, N. F., bots. lb. 4.35 - —
jars lb. 4.20 - —
Fluoride, bbls. lb. .20 - .25
Meta (see daily quotations in Market report).
Oxide, pigment, dom., Amer. process, coml., lead free, bgs., c.l., dlvd. lb. .06¼ - —
l.c.l., dlvd., except Pac. cst. lb. .06¾ - —
ex whse., Pac. cst. lb. .06¾ - —
bbls., c.l., dlvd. lb. .06¾ - —
l.c.l., dlvd., except Pac. cst. lb. .07 - —
ex whse., Pac. cst. lb. .07 - —
leaded, 5%, bgs., c.l., dlvd. lb. .06¾ - —
l.c.l., dlvd., except Pac. cst. lb. .06¾ - —
ex whse., Pac. cst. lb. .06¾ - —
bbls., c.l., dlvd. lb. .06¾ - —
l.c.l., dlvd., except Pac. cst. lb. .07¼ - —
ex whse., Pac. cst. lb. .07¼ - —
35%, bgs., c.l., dlvd. lb. .06 - —
l.c.l., dlvd., except Pac. cst. lb. .06¼ - —
ex whse., Pac. cst. lb. .06¼ - —
bbls., c.l., dlvd. lb. .06¼ - —
l.c.l., dlvd., except Pac. cst. lb. .06¾ - —
ex whse., Pac. cst. lb. .06¾ - —
50%, bgs., c.l., dlvd., except Pac. cst. lb. .06 - —
Pac. cst. lb. .0600 - —
l.c.l., dlvd., except Pac. cst. lb. .06¼ - —
ex whse., Pac. cst. lb. .06¼ - —
bbls., c.l., dlvd., except Pac. Cst. lb. .06¼ - —
ex whse., Pac. cst. lb. .06¼ - —
French process, com'l, lead free, bgs., c.l., dlvd. lb. .06½ - —
l.c.l., dlvd., except Pac. cst. lb. .06¾ - —
ex whse., Pac. cst. lb. .06¾ - —
bbls., c.l., dlvd. lb. .06¾ - —
l.c.l., dlvd., except Pac. cst. lb. .07 - —
ex whse., Pac. cst. lb. .07 - —
green seal, bgs., c.l., dlvd., lb. .06¼ - —
l.c.l., dlvd., except Pac. cst. lb. .06½ - —
ex whse., Pac. cst. lb. .06½ - —
bbls., c.l., dlvd. lb. .06¼ - —
l.c.l., dlvd., except Pac. cst. lb. .06¾ - —
ex whse., Pac. cst. lb. .06¾ - —
red seal, bgs., c.l., dlvd. lb. .07¼ - —
l.c.l., dlvd., except Pac. cst. lb. .08 - —
ex whse., Pac. cst. lb. .08 - —
bbls., c.l., dlvd. lb. .08 - —
l.c.l., dlvd., except Pac. cst. lb. .08¼ - —
ex whse., Pac. cst. lb. .08¼ - —
white seal, bgs., c.l., dlvd. lb. .06¾ - —
l.c.l., dlvd., except Pac. cst. lb. .09 - —
ex whse., Pac. cst. lb. .09 - —
bbls., c.l., dlvd. lb. .09 - —
bbls., c.l., dlvd., except Pac. cts. lb. .09½ - —
ex whse., Pac. cst. lb. .09¼ - —
imported, gold seal, cks., ex whse. lb. No prices
green seal, bbls., ex whse. lb. No prices
white, seal, cks., ex whse. lb. No prices
USP, bbls., c.l. lb. .09¾ - —
Palmitate, bbls. lb. .24½ - .27½
Resinate, fused, pale, bbls. lb. .10 - —
precip., dms., dlvd. lb. .15 - —
Stearate, tech., precip., bbls., ctns., c.l. lb. .22 - —
l.c.l., 1 ton. lb. .23 - —
1,000-2,000 lbs. lb. .24 - —
less than 1,000 lbs. lb. .25 - —
USP, bbls. lb. .23 - .28

—Continued on page 60

Oil, Paint and Drug Reporter

Founded October 18, 1871, by William O. Allison.

Published every Monday by Oil, Paint and Drug Publishing Company, Inc. Harry J. Schnell, President and Treasurer; Frank V. Baldwin, Vice-President; Daniel G. Bogert, Secretary. Address 59 John Street, New York, New York, U.S.A. Telephone REctor 2-9820. Cable Address Reporter New York.

Incorporating the Drug, Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, the New York Druggists' Price Current, The Soap Makers Journal, the Oil and Paint Review and International Petroleum Reporter.

Subscription rates including postage in the United States, possessions and territories, one year, $5.00; two years, $8.00; Canada and Newfoundland, one year, $7.00; two years, $12.00; other foreign countries, one year, $10.00; two years, $18.00.

Member—Audit Bureau of Circulations.

Entered at the Post Office at New York as second-class matter January 15, 1884, under the act of March 3, 1879.

Copyright, 1941, by Oil, Paint and Drug Publishing Company, Inc.

Vol. 139 February 10, 1941 Number 6

Practicable Priorities

Of course it was to be expected that chemicals would require rationing for the proper handling of defense needs of these essential materials. Anything that is in substantial proportion necessary to the effectuating of the defense purpose will have to be rationed; because it is plainly impossible to pile defense demands on top of increasing industrial consumption and maintain an endurable economic condition. Something would have to crack either soon from overloading or later from overexpansion.

It is wise that the rationing of chemicals is to be approached gradually by way of priorities. This approach affords opportunity and time for industrial readjustments which are inevitable. It is desirable also in that it has the potentiality of preventing price inflation. The larger wisdom lies in the behavior of the producers of chemicals and industrial consumers of chemicals; for the degree of their voluntary readjustments will delimit the necessity for actual mandatory control through application of the conscripting and expediting acts.

The chemical industry has been operating under self-imposed priorities for more than a year. These have been applied chiefly to discourage and to preclude speculation in chemical materials; they have been used also to prevent the competitive inflation of prices by way of more or less justified endeavors to build up an extensive export trade. These controls have been effective to prevent price inflations.

Priorities mean but one thing: an attempt to fit business for defense and business as usual into a harmonious existence. Their success depends on adaptability; because they can be effective but eventually destructive in the backwash of unnecessarily piled up surpluses when the emergency has ended. So, chemical business must be as adaptable as it has been. Men of probity have been named to advise it and to guide. Men of practical ability they are. But, they are in an entirely new job now where a peculiar understanding and an extraordinary tolerance are essential to their practicable functioning.

How Inflation Is Effected

What might be the price situation with chemicals and related materials had not producers and distributors exercised a substantial measure of self-control and closed their ears to the siren song of speculation, may be assumed from the past year's behavior of prices of certain commodities in respect of which wide open bidding has been the rule. Most of these instances are to be found among imported articles for which a somewhat larger demand was gratuitously developed by stringencies in other materials, but which still could be obtained in adequate volume from the customary sources by anybody.

Why, it may be asked, if these articles were abundantly available and supplies were open to all, why were the prices advanced, as they were, from 75 percent to 100 percent? The answer is greed.

This greed has not been a motivating force among the usual importers—they have suffered from it as much as consumers. It has been a sprout of competition: one of those many bits of evidence that competition can be as costly as monopoly and more often is. For example, the number of importers of carnauba wax from South America has increased fivefold during the past year. The price of the article in the primary market has been increased about 75 percent. Simply because the sellers there, seeing five times as many buyers eagerly in the market, could not escape the conclusion that their commodity had become more desirable. They naturally cashed in on its popularity—and the consumer pays.

—O-P-D—

Preventive Taxation

Whether it is the result of the emphasis given for months past to the usefulness of taxation as an agent of economic reform—for example, the idea of incentive taxation to provide more employment—whether the cause is adherence to the belief that short-sightedness is an irremovable human trait, or that neither logical nor ethical behavior can be voluntary, there is a growing public pronouncement of opinions that taxation must quickly and heavily be applied as a preventive of inflation. The commenters in this view are convinced that the purchasing public must be deprived of the increase in its earnings or these will be so prodigally spent that prices will be unwisely and disastrously boosted.

The conclusion in that syllogism is correct. In the past, under similar conditions its minor premise has frequently obtained—those who earned more money spent it largely with little regard and less knowledge of the economic effects. But, there is reason to believe that the consumer is not being prodigal with his larger income. The public prints tell, for example, that automobile manufacturers' stocks of unsold machines are near the highest point of the industry's history. Whatever may be assumed with respect to the manufacturers' anticipation of defense demands upon their facilities or disregard of these demands in favor of their own production, it is assumable that the public, while enjoying the greater abundance of butter is not piling motorcars in the path of necessary guns.

There is entirely too much preaching of taxation in some form or another as an economic remedy or prophylactic. The puzzle of the whole matter is that the preachers are in large part those who in other ways are strenuous and vociferous opponents of governmental control of the national economy. Why they believe that government must apply controls to prevent inflation is difficult to understand. Business itself makes inflation. If business does not have the ability and strength of will to avoid inflation, when government inevitably and on invitation steps in, where will be the ability and strength to put it out again?

Inclinations toward inflation, whether they be manifested in labor costs or the costs of materials or in the prices of consumer goods, must be controlled; business cannot stand another double cycle such as that of 1917 to 1933—and the consumer will not stand for it. Restraint is necessary, and in this, as in all other matters of business, to be assured that it will be well done in every respect, business itself must do it. The application of taxation to the correction or prevention of economic ills is likely to prove the remedy worse than the disease.

—O-P-D—

Strengthening Fair Trade

An endeavor is being made in the Legislature of the State of New York to provide proprietors of branded merchandise with a more effective price-maintenance weapon against those who are wont to use popular commodities as low-price baits. This endeavor grows out of a belief that effective application of the existing State fair-trade law by a proprietor is not practicable. There appears to be also a purpose to remove the doubt whether the authorization of action under the law by "any person damaged" by a violation of a fair-trade contract comprises competitors of the alleged violator or the statutory damage is limited to the narrower, validated purpose of such laws, that is, the protection of proprietary rights in a commodity.

In the direction of the first purpose the amenders of the New York fair-trade law propose to make that statute more closely woven in respect of exemptions for closing-out sales and the disposing of damaged goods. In their second purpose of eliminating doubt they propose that a violation of the restrictive provisions of the law shall be a misdemeanor. This would permit general prosecutive action; it also would permit the imposing of heavier penalties including jail sentences.

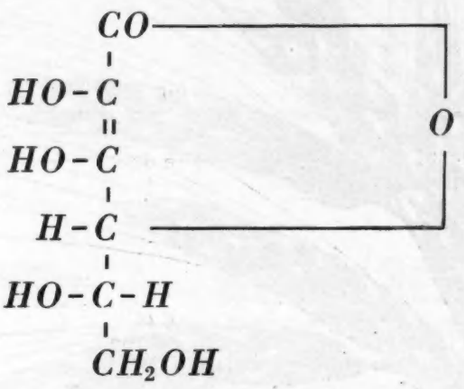
Proprietors of trademarks or other distinctive names would be required under the proposed amendments to manifest more openly their purpose to protect their rights by price-maintenance obligations. The amendment provides that notice of a contractual resale price shall be filed with the secretary of state, and that the stipulated price shall be printed upon each package of the commodity. It would also be required that the contracting vendor give notice of his price stipulation by mail to "each vendee in the State to whom he has sold the commodity."

This proposed amendment appears to be desirable, as well as necessary, in view of the questions still unclosed with respect to the status of fair-trade activities under so-called "antitrust laws." It would put fair-trade contracting in a plain position before the public, and it would have a tendency to correct the inefficiency of fair-trade laws attributable to apparent, if not real, discrimination on the part of proprietors. Both of these achievements are desirable.

DEPENDABLE!

The manufacture of Pfizer Ascorbic Acid results from independent research, combined with engineering skill and operating efficiency. Our proven process and ample supply of raw materials insure uninterrupted production . . .

ASCORBIC ACID



Molecular **Weight—176.06**

Ascorbic Acid (l-Ascorbic Acid) is recognized as being Vitamin C. The U.S.P. and International Units of Vitamin C are defined as 0.05 mg. of ascorbic acid; 1 gram of ascorbic acid is therefore equal to 20,000 U.S.P. or International Units.

Manufacturing Chemists

PFIZER QUALITY
Est. 1849

CHAS. PFIZER & CO., INC.

81 Maiden Lane, New York, New York 444 West Grand Ave., Chicago, Illinois

Paint Companies Are Surveyed by SEC

A report on "Paint and Varnish Manufacturing Corporations" in the Federal Trade Commission's project for the collection of annual financial reports from a large number of industrial corporations operating in many of the principal industries of the United States has been issued.

The nine corporations included in this survey reported consolidated sales for the year 1939 aggregating $155,515,913, or approximately 36.0 percent of the total value of products as reported by the Bureau of the Census in its preliminary report for 1939. Of the total sales, $152,277,230, or 97.9 percent, represented domestic sales, and $3,238,683, or 2.1 percent, represented foreign sales.

The total combined inventories of the nine corporations included in the group amounted to $36,550,827 at the beginning of 1939, as compared with $36,953,378 at the end of 1939, or an increase of 1.1 percent. A copy of the full report is available at the office of the Federal Trade Commission, Washington.

Drug Companies Are Surveyed by SEC

The Securities and Exchange Commission today made public the twenty-fifth of a series of supplements to the industry reports of the Survey of American Listed Corporations. The supplements cover financial operations for fiscal years ending between July 1, 1939, and June 30, 1940.

The companies convened in supplement No. 25 are:—

Abbott Laboratories, Allied Laboratories, Inc., American Home Products Corporation, International Vitamin Corporation, the Lambert Company, Parke, Davis & Company, Plough, Inc., Sharpe & Dohme, Incorporated, Frederick Stearns & Company, Sterling Products, United Drug Company, United Drug, Inc., Vick Chemical Company, Zonite Products Corporation.

The combined volume of business for these thirteen enterprises amounted to $253,000,000 on or about December 31, 1939, compared with $237,000,000 on or about December 31, 1938.

Copies of this supplement, as well as of supplements Nos. 1-24, inclusive, and Volumes I and II, which are still available may be secured without charge by request to the publications unit of the Securities and Exchange Commission in Washington, D. C.

Vitamin Yeast Offered By Standard Brands, Inc.

Fleischmann's vitamin B_1 yeast has been made available under a licensing agreement to the entire yeast industry. Thomas L. Smith, president of Standard Brands, Inc., announced last week. He said further that the company is planning to make available to bakers a new yeast that contains not only vitamin B_1, but also the pellagra-preventive factor, nicotinic acid, and iron in amounts to meet government requirements.

Margarin Production Increased in December

Production of margarin in December, 1940, totaled 32,456,775 pounds. This compared with 30,002,029 pounds in November and 25,587,110 pounds in December, 1939, according to statistics compiled by the Bureau of Internal Revenue, Washington. A comparison of December production with that of the previous year follows:—

	Pounds 1940.	1939.
Produuction of uncolored oleomargarin..	*32,216,785	†25,438,984
Withdrawn tax-paid..	31,080,270	25,711,698

Ingredients used in the production of colored and uncolored margarin in December, 1940, compared with December, 1939, as follows:—

In Uncolored Margarin

	Pounds 1940.	1939.
Babassu oil	13,660	659,111
Coconut oil	1,452,234	1,912,842
Corn oil	33,763	53,493
Cottonseed oil	13,087,959	8,765,590
Derivative of glycerin	73,614	60,257
Lecithin	12,791	7,142
Milk	5,966,821	4,958,870
Monostearin	18,433	.....
Neutral lard	768,978	201,713
Lard stearin	240	.....
Oleo oil	1,450,385	860,384
Oleo stearin	300,743	236,008
Oleo stock	153,505	78,427
Peanut oil	181,313	193,650
Salt	1,232,445	1,050,755
Soda benzoate	11,594	9,116
Soybean oil	8,490,715	7,546,246
Vitamin concentrate	1,475	1,342
Totals	33,250,973	26,594,951
Production of colored oleomargarin	‡239,990	§148,126
Withdrawn tax-paid	38,080	25,490

In Colored Margarin

Butter flavor	1	.....
Coconut oil	75,325	58,769
Color	182	115
Corn oil	23	54
Cottonseed oil	18,989	13,181
Cottonseed stearin	1,320	210
Derivative of glycerin	294	285
Lecithin	26	77
Milk	66,597	29,443
Monostearin	387	.....
Neutral lard	7,413	4,200
Oleo oil	26,258	15,526
Oleo stearin	296	.....
Oleo stock	2,350	956
Peanut oil	392	200
Salt	8,152	7,702
Soda benzoate	73	35
Soybean oil	58,900	29,108
Vitamin concentrate	3	1
Totals	266,981	159,862

* Of the amount produced, 24,273 pounds were reworked.
† Of the amount produced, 10,425 pounds were reworked.
‡ Of the amount produced, 640 pounds were reworked.
§ Of the amount produced, 1,475 pounds were reworked.

Good working materials are the good soil with which industry produces high quality products. Niagara helps many manufacturers keep their products in the ribbon-winning class by providing them with a top quality, consistently uniform supply of Caustic Soda, Caustic Potash and Carbonate of Potash. Let your product be raised in the "good soil" of Niagara materials.

Niagara ALKALI COMPANY
60 EAST 42nd STREET, NEW YORK, N. Y.
Affiliated with Electro Bleaching Gas Company, Pioneer Manufacturer of Liquid Chlorine

CAUSTIC SODA
CARBONATE OF POTASH
CAUSTIC POTASH

Trade Briefs

W. H. Wood has been elected a director of the Valvoline Oil Company.

Toothpastes and tooth powders exported from the United States to Colombia during 1940 totaled 191,895 pounds, valued at $164,521.

Chain store tax, ranging from $50 to $1,000 for each store is asked in a bill introduced in the New York Assembly by Louis Bennett, Democrat, Bronx.

Maurice Handman has been named president of Xandra, Ltd., maker of "Xandra" sea moss bath and other products. Office and laboratories of the company are now located at 17 East Fifty-third street, this city.

L. C. Welch, Standard Oil Company of Indiana, Chicago, has been appointed chairman and L. P. Lochridge, Sinclair Refining Company New York, vice-chairman, of the American Petroleum Institute's lubrication committee for 1941.

Pharmacologists Wanted

Pharmacologists are needed to fill positions in the Federal government. The United States Civil Service Commission has announced that applications for these positions will be rated as received at its Washington office until December 31, 1941.

There are four grades of positions with salaries ranging from $2,600 to $4,600 a year. Positions of junior pharmacologist and junior toxicologist may also be filled from the registers of this examination by certification of appropriate eligibles who are willing to accept the salary of $2,000 a year.

Further information and application forms may be obtained from the secretary of the board of U. S. Civil Service Examiners at any first or second-class post office, or from the U. S. Civil Service Commission, Washington, D. C.

Heavy Chemicals

A Major Producer Advances Di and Tri Soda Phosphate Prices —Nicotine Sulphate Drum Price Higher — Tin Salts Firmer —Two-Year Agreement Reached Banning Trucking Strikes

A steady buying movement characterized the trading in the market for heavy chemicals last week. The holiday exerted little influence on business. Shipments fully reflected the high operating schedules in the steel, metallurgical, plating, glass, paper, rubber and textile industries. A broadening in government purchases was also evident; bids emanating from various Army and Navy channels. Transactions in the outside market were not much of a factor, although shipments from regular channels for export remained satisfactory. Movement of seasonal chemicals, especially insecticides, was expected to get under way shortly.

An announcement made late the preceding period by a prominent producer of an advance in dibasic and tribasic soda phosphate provided the outstanding price development. The new prices will be applicable immediately on all spot business and new contracts.

An agreement prohibiting strikes or lockouts in the local and long distance trucking industry for the next two years was accepted last week by the representatives of employers and teamsters' unions. The agreement was expected to provide relief from the numerous strikes that have harassed trucking here in the past. A chairman has been appointed to pass on all disputes that cannot be settled by direct negotiation.

Alums. — Prices maintained their firmness, while shipments moved steadily against contracts.

Alumina Hydrate.—Buying continued moderate, with prices the same.

Alumina Sulphate.—Domestic and export inquiries good. Prices rule firm.

Aluminum.—Prices firm, and shipments steady.

Ammonia Aldehyde.—Market routine. Quotations lack change.

Ammonia, Anhydrous. — Movement along seasonal lines. Pricewise a firm tone prevailed.

Ammonia, Aqua.—Demand active. Prices unchanged and firm.

Ammonia Bicarbonate.—Usual consumers provided a steady replacement interest to keep market in firm position.

Ammonia Bifluoride.—Steady to firm price tone, with takings moderate.

Ammonia Carbonate.—Transactions routine, with prices well sustained.

Ammonia Fluoride.—New business light, while prices held firm.

Ammonia Nitrate.—Steady inquiry. A firm tone governed the dealings.

Ammonia Perchlorate.—The continued lack of imports have depleted spot stocks.

Ammonia Persulphate.—Modest quantities made up the call. Prices firm.

Ammonia Phosphate. — Consumers made fair size replacements. No change disclosed in the prices.

Ammonia Oxalate.—Firm tone prevailed. Business moderate to regular channels.

Ammonia Silicofluoride. — Market position continued firm. Business irregular.

Ammonia Sulphide. — Purchases moderate as a rule. No change occurred in the prices.

Ammonia Sulphocyanide.—Demand lacked broadening, but prices held firm.

Ammoniac, Sal.—Withdrawals moderately active, and prices rule firm. December imports 90,202 pounds, valued at $1,528, of which 60,186 pounds came from Germany and 30,016 pounds from the United Kingdom.

Antimony.--Domestic spot price remained unchanged. Moderate quantities made up the call.

Price Changes

Advanced

Nicotine sulphate, drums, 3-10c. per lb.
Soda phosphate, dibasic, anhy., 25c. per 100 lbs.
dibasic, crystals, 10c. per 100 lbs.
tribasic, 10c. per 100 lbs.
Soda stannate, ½c. per lb.
Tin, 3traits, ¼c. per lb.
crystals, ½c. per lb.
stannous chloride, anhy., ½c. per lb.

Reduced

None

Comparative Values

Index numbers compiled from twenty-five typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
158.2	158.2	158.2	153.6

Index numbers compiled from twenty typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
101.6	101.6	101.6	101.6

Market news that may have developed after this report was sent to press will be found on page 4.

Antimony Oxide.—Trading routine. Nothing new developed in the prices.

Arsenic.—A fairly steady demand was evident for the white. Prices firm. December imports 817,903 pounds, valued at $23,868, of which 661,595 pounds came from Mexico.

Barium Carbonate.—Prices underwent no change, while business was moderate.

Barium Chlorate. — Prices strictly nominal. There was little obtainable in spot market.

Barium Chloride.—Usual consumers entered market for necessary replacements. Prices failed to change.

Barium Dioxide. — Steady to firm price tone. Buying spotty.

Barium Fluoride.—Not much interest developed, with prices unaltered.

Barium Hydrate.—Dealings irregular. No change disclosed in the quotations.

Barium Nitrate. — Steady inquiry. Pricewise a firm tone predominated.

Bleaching Powder. — Transactions routine against contracts. Prices displayed firmness.

Calcium Acetate.—Commitments are fairly steady from usual channels. Prices without change.

Calcium Carbide.—Domestic and export buying moderate. Prices held firm.

Calcium Chloride.—Shipments moved at a good price. Prices were firm.

Carbon Bisulphide.—Business steady. Prices lacked any change.

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Pulp and Paper Ass'n, Feb. 17-21, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone DIgby 4-2181 NEW YORK CITY

PM Since 1905
PHOSPHORUS (Yellow) Produced in our own electric furnace using phosphate rock from our own mines.
PHOSPHORIC ACID 75% Pure Food Grade. Made from high quality elemental phosphorus.
"ELECTROPHOS". A superior quality of triple superphosphate of approximately 48% available P_2O_5. Almost white in appearance.
FLORIDA PEBBLE PHOSPHATE ROCK. Grades 77% B.P.L. and all standards to 68%. Also of special specifications—quality—calcining—grinding.
THE PHOSPHATE MINING COMPANY
110 William Street, New York Nichols, Florida

SODIUM SULPHIDE
BARIUM CARBONATE BARIUM CHLORIDE
BLANC FIXE BARIUM PEROXIDE
BARIUM OXIDE BARIUM HYDRATE
Manufactured by
BARIUM REDUCTION CORPORATION
OFFICE AND WORKS: SOUTH CHARLESTON, W.VA.

MURIATIC ACID
CARBOYS—TANK TRUCKS
SULPHURIC ACID
CARBOYS—DRUMS—TANK TRUCKS
AQUA AMMONIA
CARBOYS — DRUMS TANK TRUCKS
ACETIC ACID
TANK CARS—TANK TRUCKS —BARRELS
LIQUID CAUSTIC SODA
DRUMS TANK TRUCKS
SODIUM ACETATE
A. H. MATHIEU & COMPANY
7-11 Getty Avenue Paterson, N. J.
Telephone SHerwood 2-3080-1-2

COPPER SULPHATE
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY
NEW YORK OFFICE · 30 CHURCH ST.

BARIUM HYDRATE and POROUS BARIUM OXIDE (Monoxide)
BARIUM AND CHEMICALS, Inc., Dept. A, Willoughby, Ohio
Successors to The J. H. R. Products Co. *Send for informative booklet*

TETRA SODIUM
PYROPHOSPHATE
Made by an improved manufacturing technique in Victor's new plant . . . the largest of its kind in existence. Designed to meet the large scale demand for a product of uniformly high quality.
Victor Catalog of Chemicals Sent on Request
VICTOR CHEMICAL WORKS
141 WEST JACKSON BOULEVARD CHICAGO, ILLINOIS

CAUSTIC SODA
BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : SULPHUR CHLORIDE : SILICON TETRACHLORIDE CREAM OF TARTAR : SULPHURIC ACID : CAUSTIC SODA WHITING : TARTARIC ACID : LIQUID CHLORINE : SULPHUR TEXTILE STRIPPER : CARBON BISULPHIDE
Stauffer CHEMICALS
STAUFFER CHEMICAL COMPANY
420 LEXINGTON AVE., NEW YORK
424 Ohio Bldg., Akron, Ohio
Carbide and Carbon Bldg., Chicago, Ill.
624 California St., San Francisco, Cal.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

Oldbury
Electro-Chemical
Company

PHOSPHORIC (U.S.P.) ACID
•
PHOSPHORUS OXYCHLORIDE
•
PHOSPHORUS PENTACHLORIDE
•
PHOSPHORUS PENTASULFIDE
•
PHOSPHORUS TRICHLORIDE

Plant and Main Office:
Niagara Falls, New York

New York Office:
22 East 40th Street, New York City

Carbon Dioxide.—Demand moderately active, and prices firm.

Carbon Tetrachloride.—A steady movement continued in evidence, and market retained its firmness.

Chlorine.—Shipments moved at a steady pace. Prices held the same, and tone was firm.

Chloropicrin.—Buying held at routine levels. No change in the prices.

Cobalt Oxide.—Sellers adhered to the policy of supplying regular consumers. Export restrictions limited activity in outside market. December imports 129,500 pounds, valued at $188,930.

Copper.—Demand fairly active, with primary producers holding at 12c. and custom smelters 12⅛c. per pound. Offerings in outside market for second quarter were 12¾c. per pound. Export quiet, prices ranging from 10½c. to 12c. per pound.

Copper Salts.—A firm price tone characterized the trading in various copper derivatives. Demand continued steady.

Copper Sulphate.—Market was firm. Shipments held at good levels. Satisfactory export inquiry.

Copperas.—Conditions underwent little change, with business usually restricted to regular channels. Prices firm.

Ethyl Chloride.—Purchases routine. Prices remain firm.

Feldspar.—A fairly steady interest continued, with prices well maintained.

Fluorspar.—A firm price tone prevailed, while shipments were steady.

Glauber's Salt.—Shipments remained steady, and prices were firm.

Lead Acetate.—Market a routine affair. Prices firm.

Lead Nitrate.—Business spotty. Quotations failed to change.

Lime.—Demand moderately active. A steady to firm price tone remained in evidence.

Magnesite.—Market was in a tight position, with bookings ahead of production.

Magnesia Silicofluoride.—Trading was light. Prices lacked change.

Manganese Dioxide.—Transactions continued routine against contracts. Prices displayed firmness.

Molybdenum Metal Powder.—Interest steady, and prices firm.

Nickel Salts.—Demand steady, with sellers behind in shipments. Prices firm.

Phosphorus.—Position of Red continued firm, with offerings limited. Moderate demand for yellow.

Potash Carbonate.—A steady demand against contracts continued. Prices unchanged and firm.

Potash, Caustic.—Usual consumers made satisfactory replacements to keep market position firm.

Potash Chlorate.—Domestic offerings confined to regular channels. Not much available in outside market.

Potash Cyanide.—Dealings routine. Prices were without alteration.

Potash Metabisulphite.—While interest was not broad, offerings were limited. Prices nominal.

Potash Oxalate.—Business moderate for usual channels. Prices firm.

Potash Perchlorate.—Sellers limited offerings to regular sources. Quotations firm.

Potash Permanganate.—Steady inquiry from usual consumers; offerings for export practically negligible. Prices firm.

Potash Titanium Oxalate.—No new price developments, with buying fair.

Salt.—A good volume of business passed, with government purchasing a factor. Prices firm.

Saltcake.—Shipments continued to keep pace with production to give market a firm tone. December imports 2,272 tons, valued at $36,234.

Saltpeter.—Purchases moderate. Prices underwent no change, with tone firm.

Soda Acetate.—Buying remained routine. Prices without change.

Soda Antimoniate.—Prices failed to change, with inquiries only fair.

Soda Ash.—Movement was moderately active against contracts. Normal export inquiry. Prices unchanged.

Soda Bicarbonate.—Replacement buying held fairly steady. Prices without change.

Soda Bifluoride.—Market retained its firm tone. Business irregular.

Soda Bisulphite.—Prices unchanged and firm. Demand steady.

Soda, Caustic.—Basic consuming industries made fair size replacements. Satisfactory export inquiry. Prices without change.

Soda Chlorate.—Sellers continued to restrict dealings to usual channels. Not much available in outside market. Prices firm.

Soda Cyanide.—Active demand. Prices remain the same, with tone firm. December imports 6,875,680 pounds, valued at $286,322.

Soda Fluoride.—Dealings routine. Prices without change.

Soda Hydrosulphite.—Steady inquiry. Price tone remained firm.

Soda Hyposulphite.—Buying moderate against contracts. Prices unchanged.

Soda Metasilicate.—A satisfactory interest prevailed to keep market position firm.

Soda Nitrite.—Shipments steady. Pricewise a firm tone predominated.

Soda Oxalate.—Purchases moderate from regular channels. Prices held firm.

Soda Phosphate.—Late preceding period a leading producer announced advance of 10c. per 100 pounds for di and tri and 25c. for anhydrous dibasic. Other producers have not made any announcements as yet.

Soda Pyrophosphate.—Demand moderately active. Prices display firmness.

Soda Silicate.—Inquiries and shipments steady from several channels. Prices rule firm.

Soda Silicofluoride.—Market in sold up position, very little available in spot market. December imports 44,092 pounds, valued at $1,590, all of which came from Portugal.

Soda Stannate.—Prices advanced ½c. ranging from 33c. to 36c. per pound. Demand fairly steady.

Soda Sulphide.—Shipments steady. Prices unchanged and firm.

Soda Sulphite.—Firm price tone, with buying steady against contracts.

Strontium Nitrate.—Interest routine. Prices unchanged and firm.

Sulphur, Refined.—A firm tone characterized the trading, with business irregular.

Tetrachlorethylene.—Withdrawals steady. Prices rule firm.

Tin Salts.—Tin crystals ½c. higher at 38½c. to 39c. per pound; Anhydrous stannous chloride advanced ½c. ranging from 47½c. to 48c. per pound. Straits metal closed around 50⅝c. per pound.

Uranium Oxide.—Small lots made up the call. Prices firm.

Zinc Carbonate.—Business moderate. Prices without change.

Zinc Chloride.—Shipments routine against contracts. Prices firm.

Zinc Sulphate.—Prices unchanged and firm. Steady movement to regular channels.

Acids

Withdrawals continued steady for the majority of mineral acids last week. Good size quantities moved against contracts to basic consuming industries, reflecting high operations in the plating, metallurgical, steel, rubber and textile trades. Export inquiries continued good for a number of acids. Prices were unchanged and firm.

Production of sulphuric acid during 1940, based on date reported by 54 fertilizer manufacturers to the Department of Commerce, amounted to 2,435,724 tons, compared with 2,051,537 in the 1939 year. Stocks at the end of December stood at 100,246 tons, against 83,814 tons in the corresponding period a year ago.

Acetic acid exports in December, 1940, totaled 421,034 pounds, bringing total for the year to 6,035,000 pounds, valued at $497,713, compared with only 1,794,089 pounds, valued at $140,977 in the preceding year.

WANTED RESIDUES : SLIMES : METAL ALLOYS
METALLIC BY-PRODUCTS
Containing
Vanadium—Nickel—Tin—Bismuth—Cadmium—Tungsten—Molybdenum
METALLURGICAL PRODUCTS CO.
35th and Moore Sts. Established 1909 Philadelphia, Pa.

Acetic.—Shipments steady. Moderate export inquiry. Prices unchanged.

Battery. — Withdrawals routine. Prices hold firm.

Butyric.—Steady to firm tone, with purchases moderately active.

Chlorosulphonic. — Prices lack change. Business fairly steady.

Chromic.—Demand good. Prices unchanged and firm.

Formic.—Bookings held up well, and prices firm.

Gallic.—Dealings remain conservative. Prices without change.

Hydrofluoric.—No new price developments. Buying moderate.

Lactic.—Domestic and export business steady. Prices remain the same.

Mixed. — Shipments move steadily against contracts. Prices firm.

Muriatic.—A good inquiry prevailed. with prices well sustained.

Naphthenic.—Market a routine affair. Prices nominal.

Nitric. — Shipments steady. Prices display firmness.

Oxalic.—Sellers confined shipments to regular channels. Offerings for export negligible. Prices unchanged and firm.

Phosphoric. — Movement steady to usual sources. Prices firm.

Pyrogallic.—Not much new business occurred. Prices without alteration.

Sulphuric.—A steady movement was discernible against contracts. Prices lacked any change and tone was firm. December production, based on data reported by 54 fertilizer manufacturers, totaled 223,131 tons, against 216,290 in November and 219,838 tons in December, 1939. For the year 1940 output aggregated 2,435,724 tons, against 2,051,537 in 1939. Stocks at the end of December stood at 100,246 tons, against 110,939 in November and 83,814 tons at the end of December, 1939.

Baltimore, February 12.—Reports on the sulphuric acid market still have it that the producers are filling contract business at approximately the nominal figures of $12 per ton for 60 degree and at $15 per ton for 66 degree acid, with the demand not of extraordinary proportions and with the market characterized by relative quiet. A similar state of affairs prevails with regard to oleum, which product has been holding around $17 per ton for 20 percent supplies.

Insecticides

While shipments have not moved in heavy volume as yet to dealers, preparations are nearly completed for new season. Interest centered around prices at this time. The drum price for nicotine sulphate was slightly higher. Adjustments have already been made in such times as lead arsenate by many producers, and clarification of other prices were expected almost any time. Export buying followed the usual seasonal tapering in South America.

Plans to dust between 5,000 and 10,000 acres of wattle trees from the air are being arranged in Maritzburg. South Africa, in the hope of killing the bagworm pest which is a serious menace to the wattle industry. Last year experimental dusting with powdered cryolite imported from Greenland resulted in a mortality up to 97 percent, according to the American attache at Johannesburg.

Bordeaux Mixture.—Prices unchanged and tone firm. Business dull.

Calcium Arsenate.—Steady to firm price tone. Shipments expected to move in larger volume to dealers.

Lead Arsenate.—Prices continued the same. Current business only fair.

Nicotine Sulphate.—Price for drums advanved 3/10c to basis of 70 3/10c. per pound. No change in 10-pound tins.

Paris Green.—New business light. Prices remain the same.

Chemists' Institute to Hear Talk on Vacuum Technology

"Vacuum Technology Opens New Fields for Chemists" is the title of an address to be delivered by Richard S. Morse, president of the National Research Corporation, this city, before the New York chapter of the American Institute of Chemists, in the Chemists' Club, this city, February 21. Mr. Morse will describe in his talk how by using pressure of less than 10^{-3} mm., it is now commercially feasible to distill a wide variety of additional products which do not normally lend themselves to this type of separation.

Trade Briefs

John C. Stalfort & Sons, Inc., manufacturers of automobile polish and other chemical products at Baltimore, have filed with the State Tax Commission a petition for the revival of its charter.

General Bottlers, Inc., has acquired a tract of land on North Kilmer avenue, Chicago, on which an affiliated corporation, Pepsi-Cola Bottling Company, plans to erect a new plant at a cost of $300,000.

Tin deposit data about Majuba Hill, Pershing county, Nevada, have been compiled by the United States Geological Survey and are available in its open files in Washington. The tin is present as cassiterite.

H. W. North, inventor and designer of Kneadermaster mixing and processing machines, has resigned his position as consultant with the Patterson Foundry & Machine Company, East Liverpool, Ohio.

Howard W. Elkinton, Philadelphia, returned to Europe February 8 from this city, to resume his work with the relief services conducted in the several stricken countries by the Society of Friends.

"Fire Gas Health Hazards and Dangers," are discussed in a new booklet published by H. J. Davis, safety engineer, of 3927 East Admiral place, Tulsa, Okla. Copies may be obtained at twenty-five cents each.

Rumford Chemical Works, manufacturer of baking powder, Rumford, R. I., has included hospital expense benefits in the company's group program providing 300 workers with life insurance, sickness and accident benefits.

Turbulent flow of sludges in pipes is discussed in a bulletin issued by the engineering experiment station of the University of Illinois. Free copies of the bulletin, No. 323, may be obtained until July 15, 1941, or until the free supply is exhausted, upon application to the station, in Urbana, Ill.

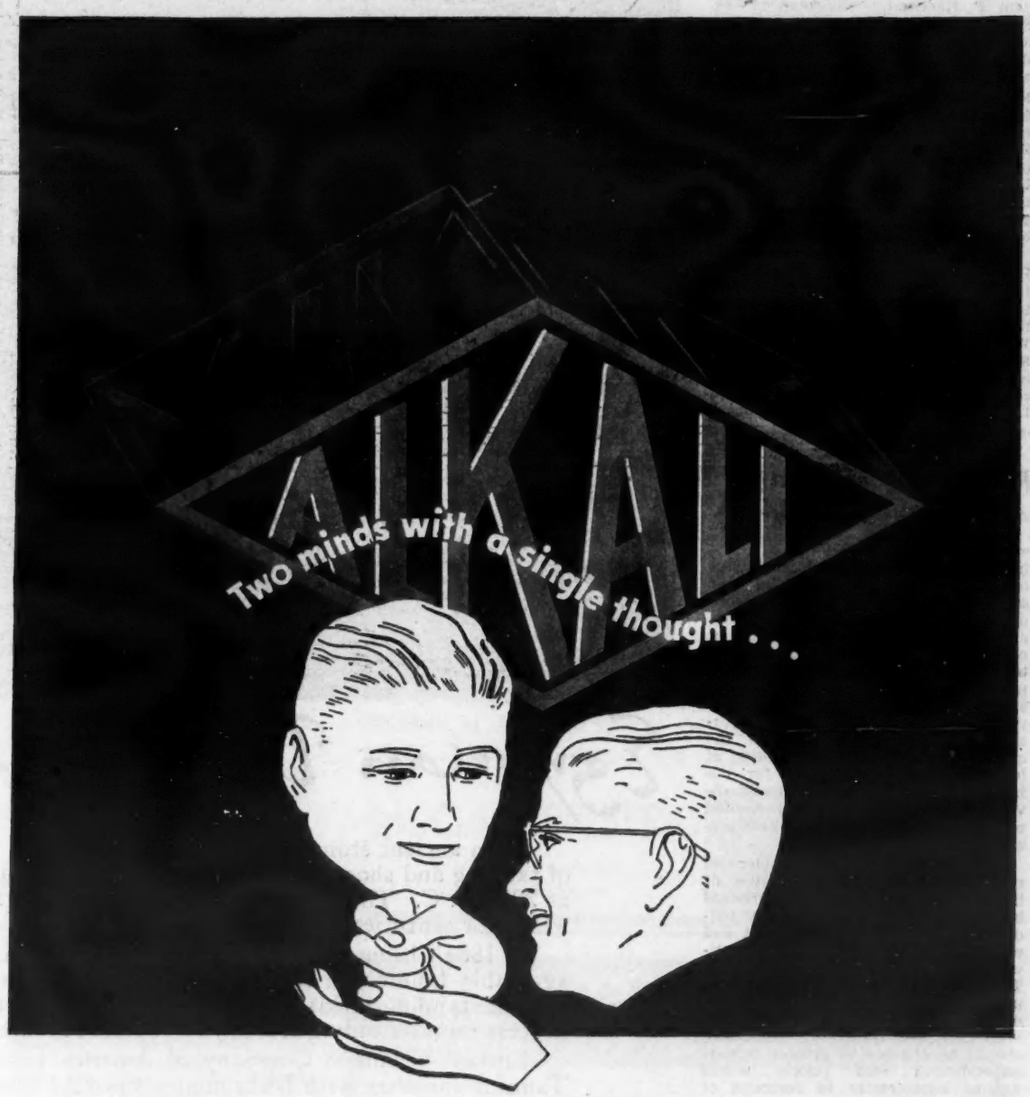
Japanese American Basket Ball Association of New York, composed of representatives of a number of Japanese mercantile houses in this city, will hold its third annual dance February 21 in the South Roof Garden of the Hotel Astor. Further particulars may be got from the secretary of the association, R. Matsushita, of Morimura Brothers, Inc., 53 West Twenty-third street; telephone, Gramercy 5-3850.

William Jay Schieffelin, honorary president of the Columbia College of Pharmacy, and Mrs. Schieffelin were last week feted on their fiftieth wedding anniversary, by members of the family.

Dr. Walter H. Eddy, director of the Good Housekeeping Bureau since 1927, has resigned to become head of Eddy Laboratories, Inc., this city. Dr. Eddy has been professor of physiological chemistry at Columbia University since 1919.

Photoelectric sensitization of alkali surfaces by means of electric discharges in water vapor is discussed in a bulletin issued by the engineering experiment station of the University of Illinois. Free copies of the bulletin, No. 325, may be obtained until July 15, 1941, or until the free supply is exhausted, upon application to the station, in Urbana, Ill.

"Nickel and High-Nickel, Corrosion-Resisting Alloys — Their Manufacture, Properties and Uses," was the title of an address that was given by Dr. William A. Mudge, of the International Nickel Company, before the Rochester section of the American Society of Mechanical Engineers and the Rochester Engineering Society at the Sagamore hotel, Rochester, N. Y., February 13.



when **soda ash** is being discussed!

PLANT PRODUCTION AND PURCHASING EXECUTIVES ARE IN PERFECT AGREEMENT ON THIS SOUND SPECIFICATION FOR OVER 25 YEARS—

DIAMOND ALKALI COMPANY, PITTSBURGH, PA. *and Everywhere*

Dr. Doisy Wins Willard Gibbs Medal

—Continued from page 3

long record of scientific achievement. In 1929 he isolated theelin, female sex hormone, and in 1936, dihydrotheelin, another sex hormone. An investigation of vitamin K directed by Dr. Doisy in 1939 led to the isolation from natural sources such as dried alfalfa leaf meal and putrefied sardine meal of two pure substances possessing vitamin K activity. The structures of both were determined and one was produced synthetically. This work resulted in the recognition of the antihemorrhagic potency of the chemical compounds known as 1:4-naphthoquinones.

Earlier studies by Dr. Doisy included the preparation of insulin, analysis of nervous tissue, creatine and creatinine metabolism, purine metabolism, determination of sodium, potassium, chloride, and phosphate in tissues, and carbon dioxide transportation of blood.

The award, made annually by the Chicago section to a scientist "whose work in either pure or applied chemistry has received worldwide recognition," was determined by a national jury of scientists headed by Dr. William F. Henderson, chairman of the Section. The medal will be presented to Dr. Doisy at a dinner meeting in the Stevens Hotel on May 23.

Dr. Doisy was born in Hume, Ill., on November 13, 1893, and was graduated from the University of Illinois in 1914. He received the master's degree from Illinois in 1916, and the Ph.D. degree from Harvard University in 1920. Yale University and Washington University in St. Louis conferred honorary degrees of doctor of science upon him last June.

He was assistant in biochemistry at Harvard Medical School from 1915 to 1917, and the following two years served in the U. S. Army. From 1919 to 1923 he was on the staff of the Washington University School of Medicine as instructor in biochemistry, associate, and associate professor. He joined the faculty of the St. Louis University School of Medicine in 1923.

Patents Conscription Advocated by Arnold

—Continued from page 3

ing investigations of at least thirty-one industries producing vital war supplies in which there occurred price increases, artificial shortages, and foreign control. He would not reveal what industries were involved, but later mentioned that complaints had been received about the chemical and metal fields. He asked for an investigation of the cottonseed of situation, accusing everyone from the crude oil crushers to the packers of leaving very little margin for the farmer. Action by the antitrust division, he said, has already prevented price increases in potash, nitrogen, and oil.

The Assistant Attorney-General recommended also that the power of the Federal Trade Commission should be enlarged to permit it to hear evidence and make findings of fact and conclusions of law in pending antitrust proceedings; that the Federal Trade Commission should also be empowered to ascertain whether local ordinances or State statutes interfere with interstate commerce; legislation should be enacted to protect defense expenditures and public works against conspiracies in restraint of trade; the Miller-Tydings resale price law should be repealed; proposed mergers bringing under single control more than half the output of any commodity should be registered in advance with the government; civil remedies against antitrust violators should be established, and criminal penalties should be increased from $5,000 to $50,000.

Humble Oil & Refining Company, Houston, has reelected R. L. Blaffer as chairman of the board and Harry Wiess as president. Hines Baker, a director, was named vice-president, and David Frame and David D. Harris were elected to the directorate.

St. Louis Production Club Discusses Zinc Yellow

The regular monthly meeting of the St. Louis Production Club was held January 28, at the Claridge hotel. The meeting was attended by twenty-two members and guests. The guests were George Priest, Ed Lantz, of the American Can Company; Ralph Stelphlein, of the Ansbacher-Siegle Company, and Pete Koval, of the United Color & Pigment.

Mr. George Horejsi presided over the meeting in the absence of President T. N. Weiskirch and Vice-President Walter Groves. A short business session was held and it was decided that the Production Club meet with the Paint, Varnish and Plastics Division of the American Chemical Society for a banquet and entertainment which will occur April 8.

Mr. Ralph Urich, of the Reichhold Chemical Company, was the speaker of the evening, and his topic was "Zinc Yellow as a Pigment in Primers." He discussed the history of zinc yellow—its treatments and its uses in different government specifications. He also stressed the fact that zinc yellow is the coming pigment in the use of primers. Following his talk a very interesting discussion was held and many questions were answered.

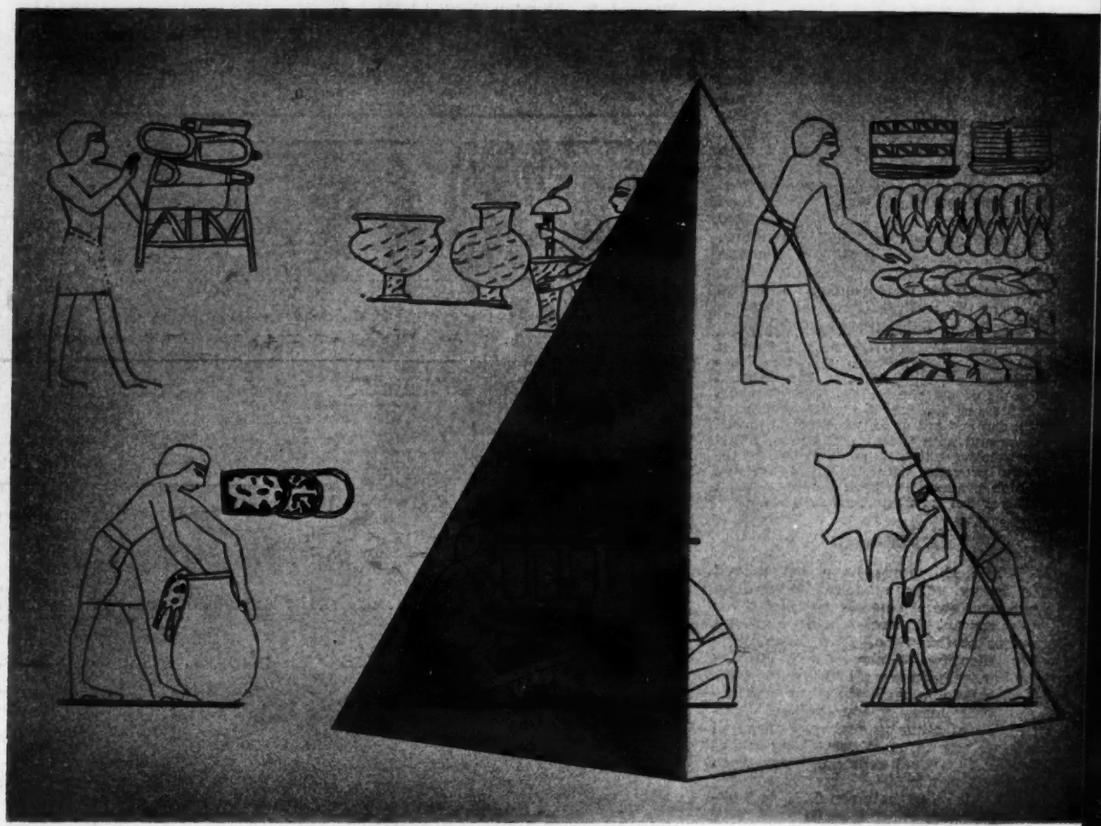
The next monthly meeting will not have a speaker, but will rather be a business session dealing mostly with the technical paper for 1941 and other business matters.

Paint Credit Group Names 1941 Committees

The Paint and Allied Industries group of the New York Credit Men's Association has named committees for 1941. Chairmen of the various committees are as follows: S. Samuels, of the Eagle Paint & Varnish Works, auditing; P. Knappen, of the Eagle Picher Sales Company, credit appraisal, and also uniform practice and special investigation fund; V. Isaacs, of the Central Paint & Varnish Works, entertainment, and also receivables, realization and recovery; M. B. Weinstock, of the M. J. Merkin Paint Company, grievance, and also educational and promotional; T. H. Kleine, of the Hilo Varnish Corporation, membership; W. L. Lang, of Devoe & Raynolds, nominations; W. Rohs, of the Colonial Works, publicity; C. J. Ball, of the M. Ewing Fox Company, resolutions and amendments, and D. Ritch, of the A. C. Horn Company, vigilance.

Continental Can Names J.L. Johnston to Directorate

Continental Can Company, this city, has elected John L. Johnston, president of the Lambert Company, St. Louis, a director of the company to fill the vacancy caused by the resignation of Michael S. Huffman from the board due to ill health. Mr. Huffman, whose headquarters have been in San Francisco, also resigned as vice-president of the company.



Egyptian Tanning - 2000 B.C.

From ancient stone carvings we have learned that the first crude stages of tanning and shoe manufacture were carried on by the Egyptians as early as 2000 B. C. This undoubtedly involved some form of vegetable tanning, which for centuries was the only practical method of tanning leathers.

In 1884 Chrome Tanning was invented and since has largely supplanted vegetable tanning in making upper leathers, glove and garment leathers. Chrome tanning yields a leather of more compact fibrous structure and the process requires only a few days as against months for the older method.

Mutual Chemical Company of America has continuously supplied the Tanning Industry with Bichromates since the invention of Chrome Tanning.

MUTUAL CHEMICAL CO. OF AMERICA NEW YORK N.Y.

Mutual Chemical Co of America

270 MADISON AVENUE, NEW YORK

Dyestuffs, Textile and Leather Chemicals

Far East Deliveries Affected by Shipping Difficulties—Alleppey Turmeric and African Wattle Barks Advanced—Annatto Seed Lower — Alumina Acetate Adjusted

Business was only fair in the market for dyestuffs, textile and leather chemicals last week. Some concern was felt regarding future shipments of raw materials from the Far East. It was becoming increasingly difficult to obtain cargo space, and costs for freight and war risk insurance were steadily mounting. So far shipments of tanning extracts have not been materially affected. Price changes in the market for the most part reflected the higher replacement costs.

Alleppey turmeric was in a tight position, and prices were higher. Future arrivals from East India were uncertain, and sellers were reluctant to sell until they could determine replacement costs. African wattle barks were higher. Annatto seeds were obtainable at fractionally lower levels. An adjustment occurred in the price for normal, powdered alumina acetate in barrels. Egg products held unchanged. Corn derivatives were firm at recently established levels. Various starches displaye firm tone.

The United States Department of Agriculture announced that the 1940-41 Maine potato starch diversion program to direct 6,500,000 bushels, launched by the SMA in September, 1940, will continue through June 30, 1941. It has assisted all potato growers in the Eastern producing areas.

Chemicals

Alumina Acetate. — Normal powdered material advanced to 33c. per pound in barrels, delivered. A 24 percent solution material available in car lots at 7⅛c. per pound.

Alumina Chloride.—Demand irregular. Prices unchanged and firm.

Ammonia Acetate.—Routine interest. Prices failed to change.

Ammonia Bichromate.—Small lots made up the call, and prices steady to firm.

Antimony Salts.—Market remained dull. Quotations without change.

Chrome Acetate.—Moderate demand. Prices rule firm.

Potash Bichromate.—Domestic and export business moved moderately. Prices without change.

Potash Prussiate.—Buying of yellow spotty. Prices held the same.

Soda Bichromate.—Shipments moderately active. Pricewise a firm tone prevailed.

Soda Prussiate.—Withdrawals fairly steady to regular channels. Prices failed to change.

Zinc Dust.—A firm price tone remained in evidence, with business confined to regular sources.

Dyestuffs

Annatto.—Prices ½c. lower, ranging from 6c. to 6¾c. per pound. Business spotty. December imports 57,001 pounds, valued at $2,054.

Cochineal.—New business is light. Prices remain firm.

Fustic.—Demand only fair. Prices without alteration.

Indigo.—Business in natural narrow. Prices without change.

Logwood. — Transactions routine. Quotations unchanged and firm. December imports of extract were 6,392 pounds, valued at $1,690.

Turmeric.—The Alleppey ¼c. higher ranging from 7¾c. to 8c. per pound. Market tight, with future shipments uncertain.

Sizing Materials

Albumen, Blood.—Demand steady. Prices steady to firm.

Albumen, Egg. — Domestic prices firm; imported remains nominal. Moderate interest.

Corn Sugar.—Prices firm at recently established levels. Bookings moderate. U. S. visible supplies of corn for week ended February 8 decreased 225,000 bushels.

Dextrin Corn.—No further change in prices, with tone firm. Interest fairly steady.

Price Changes

Advanced

Alumina acetate, normal, pwd., 11c. per lb.
Turmeric, Alleppey, ¼c. per lb.
Wattle bark, African, $1 per ton.

Reduced

Annatto, seed, ½c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
153.2	153.6	154.0	144.8

Market news that may have developed after this report was sent to press will be found on page 4.

Egg Yolk. — Prices lacked any change. Inquiries moderate.

Sago Flour.—Prices unchanged and firm. Bookings moderately active.

Starch, Corn.—Shipments steady. Prices unchanged and tone firm. Corn grind of eleven refiners of starches, syrups, sugars and other corn derivatives for January 7,293,752 bushels, against 5,974,238 bushels in January, 1940, according to Corn Industries Research Foundation.

Starch, Potato. — Domestic prices without change. Withdrawals moderate.

Starch, Rice.—Demand fairly steady, with prices well sustained.

Starch, Wheat.—Nothing new developed in the prices. Business spotty.

Tapioca Flour.—Firm price tone prevailed, with buying steady.

Tanning Materials

Chestnut Bark. — Moderate withdrawals against contracts. Prices firm.

Cutch. — Dealings routine. Prices rule firm. December imports 28,000 pounds, valued at $1,190.

Gambier.—Business quiet. Prices unchanged and firm.

Hemlock Bark.—Some fair size replacement orders made their appearance.

Hematine. — Business only fair. Prices lacked any change.

Mangrove Bark. — New business light. Prices unchanged.

Myrobalans. — Demand narrow. Prices remain the same.

Oakbark.—A fairly steady interest prevailed. Prices held firm.

Osage Orange.—Buying conservative. Prices unaltered.

Quebracho.—A firm price tone governed the dealings. Demand steady.

Quercitron.—The call was spotty. Prices steady to firm.

Spruce. — Business irregular. No change disclosed in the prices.

Wattle Bark.—Prices advanced $1, making East African $38.50 and South African $40.50 per ton.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Dyestuff List Augmented

A number of new dyestuffs were recently offered by the General Dyestuff Corporation. Among them were Fast Light Yellow GCX Concentrated, Wool Fast Orange GA, Sulphon Yellow RS Extra, and Monochrome Red FGA Concentrated, all recommended for wool; and Para Brown RBA Extra Concentrated, Benzo Bordeaux 7BA, and Katigen Olive GG-CF, recommended for dyeing cottons and rayons. Bulletins describing the various new colors may be secured by communicating with the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

National Oil to Open New Cedartown, Ga., Plant

Ralph Wechsler, treasurer of National Oil Products Company, Harrison, N. J., last week returned from an inspection tour of the company's new addition to the Cedartown, Ga., plant. Installation of machinery for the manufacture of metallic soaps and allied products has started and it is expected the plant will be put into operation within a month. Further expansions at Cedartown are planned for the immediate future.

Mutual Chemical Company, bichromate manufacturer, this city, has purchased the waterfront property at Block and Peint streets, containing 82,435 square feet of floor space, adjoining the present Baltimore works for future expansion.

Fur Dyeing with Molybdates Described in Patent Reprints

The use of molybdenum compounds in the dyeing of furs, feathers, hair, skins, and similar products is described in translations of three expired German patents just issued by the Climax Molybdenum Company. The patents are said to be the only published data relating to the use of molybdenum in this field. Combined with the patent reprints is a specification sheet, defining the molybdates commercially available at the present time. Copies of the reprints may be obtained by interested persons in the industries treated by addressing the Climax Molybdenum Company, 500 Fifth avenue, New York, mentioning the REPORTER.

Finishing Agent Offered

A new softening and finishing agent, said to be well suited for use on rayon, rayon mixtures, and cottons, has been placed on the market by the General Dyestuff Corporation under the name of "Soromine FW Paste." A bulletin which completely describes the properties and application of the new agent may be obtained by addressing the General Dyestuff Corporation, 435 Hudson street, New York, mentioning the REPORTER.

Warwick Chemical Company, Warwick, R. I., has appointed Parke Masters to its sales staff. Mr. Masters was formerly connected with E. I. du Pont de Nemours & Co. and Joseph Turner & Co., Ridgefield, N. J.

Natural Products Refining Co.
910 Garfield Avenue, Jersey City, N. J.
Natural
Natural BICHROMATES

DRY COLORS — DYESTUFFS
IMPORT EXPORT
FEZANDIE & SPERRLE, 205 Fulton Street, NEW YORK
Telephones: COrtlandt 7-1460-1461 Cable Address: "Fezan", N. Y.

ALBUMENS
. . . for Every Industrial Use . . .
THE LARGEST MANUFACTURERS AND EXPORTERS OF TECHNICAL EGG PRODUCTS OFFER YOU EGGS, LIQUID OR DRIED, IN ANY FORM FOR EVERY INDUSTRIAL USE.
H. GARTENBERG & COMPANY
Write for Samples and Quotations
412 W. PERSHING ROAD
CHICAGO, ILLINOIS
CABLE ADDRESS "GARTEGG"

"NIAPROOF"*
ALUMINUM SALTS FOR WATER REPELLENT TREATMENTS
Especially developed for the modern concentrated water repellent preparations, "Niaproof" contains 35 to 37% active Al_2O_3. It is readily soluble in water giving solutions of 5.1 to 5.4 pH depending on concentration; which can be reduced if desired to a pH range of 3 to 4 by the addition of Glacial Acetic Acid.
"Niaproof" Basic is prepared for compounds requiring a basic salt. It contains 34 to 35% active Al_2O_3. Solutions have a pH range of 4.7 to 4.8 which can also be lowered by the addition of Acetic Acid.
Samples of both grades, as well as 20% Normal or 32% Basic Aluminum Acetate Solutions, are available on request. *Trademark
NIACET CHEMICALS CORPORATION
4703 PINE AVE., NIAGARA FALLS, NEW YORK

PURE VITAMINS PRODUCED BY *Chemical* SYNTHESIS

IDEN

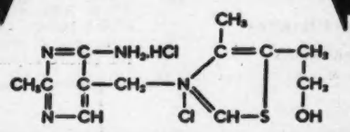
CHEMICALLY A

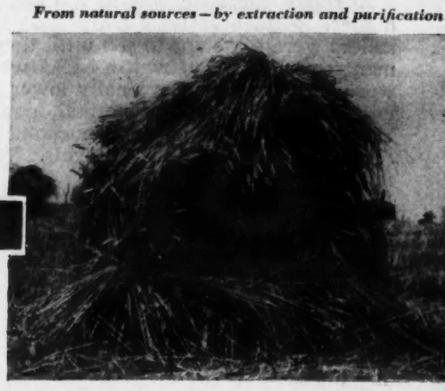
Vitamins produced by
from natural sources are cl

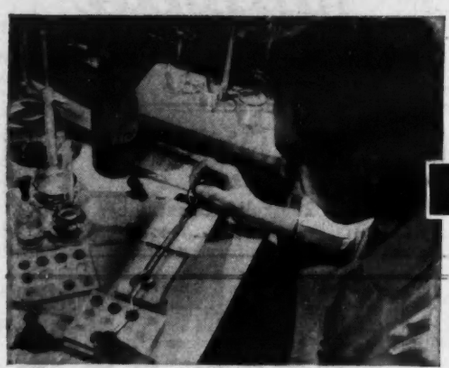
By rigidly controlled laboratory synthesis—at low cost

From natural sources—by extraction and purification

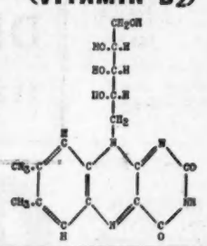
THIAMINE HYDROCHLORIDE (VITAMIN B_1)

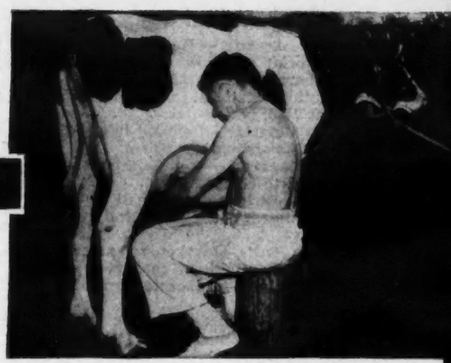




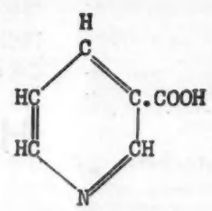


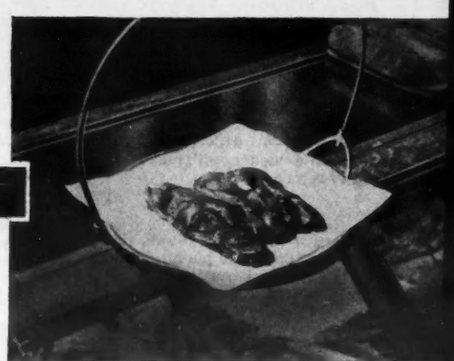
RIBOFLAVIN (VITAMIN B_2)





NICOTINIC ACID





MERCK

PURE VITAMINS

Discoveries and advances in the vitamin field made by Merck Chemists and their collaborators have continually emphasized the outstanding rôle played by Merck & Co. Inc. in the development of this therapeutically important line.

The accompanying historical review dramatically portrays the contributions of Merck & Co. Inc. in making available many of these essential factors in pure form:

VITAMIN B_1 CRYSTALS MERCK (*Thiamine Hydrochloride U. S. P.*)
Synthesized in the Merck Research Laboratories in 1936. Made available in commercial quantities during 1937.

ASCORBIC ACID MERCK U. S. P. (*Vitamin C*)
Made available in 1934.

NICOTINIC ACID MERCK U. S. P.
Made available in commercial quantities during 1938.

RIBOFLAVIN MERCK (*Vitamin B_2*)
The second pure crystalline vitamin to reach commercial production during 1938.

ALPHA-TOCOPHEROL MERCK (*Vitamin E*)
Identified and synthesized by Merck chemists and their collaborators in other laboratories in 1938. Made commercially available during 1940.

VITAMIN B_6 HYDROCHLORIDE MERCK (*Pyridoxine Hydrochloride*)
Synthesized in the Merck Research Laboratories in 1939. Made available in commercial quantities in 1940.

2-METHYL-NAPHTHOQUINONE MERCK (*Vitamin K Active*)
Became available in commercial quantities during 1940.

CALCIUM PANTOTHENATE MERCK
Physiologically active form of Pantothenic Acid. Made commercially available by Merck & Co. Inc. in 1940. Pantothenic Acid was previously identified and synthesized by Merck Chemists and their collaborators in 1940.

TICAL

BIOLOGICALLY

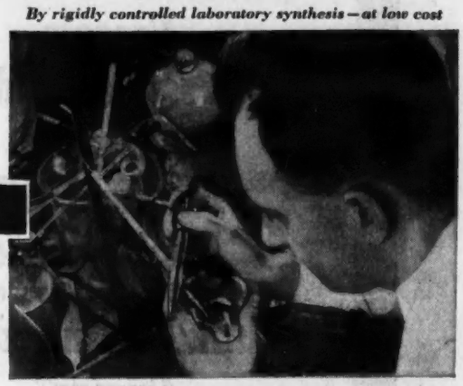
cal synthesis or extracted
ally and biologically identical

PURE VITAMINS DERIVED FROM *Natural* SOURCES

From natural sources—by extraction and purification

By rigidly controlled laboratory synthesis—at low cost

ASCORBIC ACID
(VITAMIN C)



VITAMIN B_6 HYDROCHLORIDE

ALPHA-TOCOPHEROL
(VITAMIN E)

THE identity of pure vitamins produced by chemical synthesis, and pure vitamins derived from natural sources—in chemical composition, physiologic function, and physical characteristics—is definitely and authoritatively established.

With vitamins commercially available as pure substances, it is possible to formulate desirable vitamin combinations with consummate ease. By using these *pure chemicals of known and uniform potency*, the proportions of the individual vitamins can be readily adjusted to meet the pharmaceutical manufacturer's specific requirements. It is only through the use of these pure vitamins that the high dosages indicated in severe deficiency states can be provided.

Active in the manufacture of pure vitamins ever since the first of these (Ascorbic Acid) was synthesized, Merck & Co. Inc. has consistently maintained its leadership in the development and commercial production of these vitally important substances.

The Merck technical staff and laboratories are prepared to serve customers in manufacturing problems involving the addition of pure vitamins to their products.

We invite you to write us.

MERCK & CO. Inc. *Manufacturing Chemists* **RAHWAY, N. J.**

New York • Philadelphia • St. Louis • In Canada: Merck & Co. Ltd., Montreal and Toronto

Barrett

Phenol
Cresols
Cresylic Acids
Xylenols
Tar Acid Oils
Naphthalene
Industrial and Household
Phthalic Anhydride
Cumar*
(Para-coumarone—Para-indene Resin)
Rubber Compounding Materials
Coal-tar Bases
Pyridine, Quinoline, Picolines, etc.
Pickling Inhibitors
Benzol
Toluol
Xylol
Solvent Naphtha
Hi-Flash Solvent
Flotation Reagents
Anhydrous Ammonia
Hydrogenated Coal-tar Chemicals

Cyclohexane 98-100%
Methyl Cyclohexane 98-100%
Cyclohexanol 98-100%
Methyl Cyclohexanol 98-100%
Cyclohexanone 98-100%
Methyl Cyclohexanone 98-100%

The Barrett Company • 40 Rector St. • New York, N.Y.

... One of America's great basic businesses

*Trademark Reg. U.S. Pat. Off.

Barrett CHEMICALS

SEND FOR THIS BOOKLET

This new 36 page, pocket size booklet lists the many important Barrett Chemicals, and provides a finger-tip reference of concise descriptions and uses for each product. We will gladly send your copy on request. No obligation.

Coaltar Chemicals

Defense Orders Help Maintain Business at Steady Levels—Large Gains Looked For in Munition Output by Fall—Imports of Creosote Oil During 1940 Decreased

Buying was maintained at steady levels in most divisions of the market for coaltar chemicals last week. Operations were favorable in several basic consuming industries, which in turn were aided by defense orders. Direct government purchasing was not a big factor. Production continued high, with steel operations at capacity levels. Export inquiries were moderately active. No change was disclosed in the prices, and the tone remained firm.

Government was asking for bids on a sizable quantity of dinitrotoluene, aside from this not much interest was displayed. However, within the next few months inquiries for toluol, phenol, picric acid and certain intermediates should expand. The output of munitions will reach substantial proportions by Fall. An additional $400,000,000 to build more munition plants is in the offing. Two large plants are already well underway and will be completed no later than July. In conjunction with new government financed plants the British government has munition and powder plants in operation.

Imports of creosote oil into the United States decreased to 39,009,786 pounds, valued at $3,889,528 during the year 1940, compared with 51,876,602 pounds, valued at $5,769,324 in previous year. Exports during the entire year 1940 amounted to 398,850 gallons, valued at $84,305, against a total of 2,397,796 gallons, valued at $337,252 in 1939.

Price Changes

Advanced
None

Reduced
None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
126.6	126.6	126.6	127.3

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol. — Commitments continue moderate against contracts. Prices without change.

Carbazole. — Consumers made fair-size replacements to keep market in satisfactory position.

Coaltar. — Shipments of crude and refined routine. Prices rule firm.

Creosote Oil. — Market retained its firmness. Buying was fairly steady from usual channels. December imports 941,042 gallons, valued $107,708.

Cresols.—Bookings steady and shipments good against contracts. Prices were firm.

Cresylic Acid. — Demand held at favorable levels from most sources, and a firm price tone prevailed. Not much interest for imported. December imports 81,024 gallons, valued at $32,035, of which 77,352 gallons came from United Kingdom.

Naphthalene.—Prices firm and business moved steadily; refined inquiries increased from jobbing channels. December imports 740,089 pounds, valued at $9,582, all of which came from Russia.

Oil, Shingle Stain.—Not much new business occurred. Prices held the same.

Phenol. — Business moderately active. No change was disclosed in the prices.

Pitch, Coaltar. — Dealings routine. Prices unchanged and firm. December imports 29,823 gallons, valued at $3,412.

Pyridin. — Inquiries and shipments remained steady. Pricewise a firm tone prevailed.

Tar Acid Oils.—New business continued modest. Nothing new occurred in the prices.

Toluol. — Shipments steady. Prices remain the same, with tone firm.

Xylol.—A moderate demand continued against contracts. A steady to firm tone remained in evidence.

Chicago Coaltar Bases

Routine business has characterized the coaltar bases here recently. Benzol inquiry has been fair. Other products have shown mostly a firm situation. Ruling prices exclusive of tax are:—Benzol, 90 percent, 14c. to 15c. per gallon; motor benzol, 8½c. to 9c., nearby refineries; toluol, 27c.; 10-degree xylol, 26c.; solvent naphtha, 26c.; creosote oil, grade 1, 13½c. to 14c.

Hyrdogenated Solvents

Cyclohexane. — Shipments moderate, and prices lacked any change.

Cyclohexanol. — Consumers exerted a satisfactory inquiry, and prices held firm.

Methylcyclohexanol. — Withdrawals fairly steady, and prices well sustained.

Methylcyclohexanone. — Market firm, and business moved moderately.

Coaltar Acids

Anthranilic. — Commitments remain routine. Prices firm.

Benzoic. — Consumers made necessary replacements against contracts.

Broenners.—Usual factors entered market for nearby needs.

Cleve's.—Interest fair. No change disclosed in the quotations.

Fumaric.—Demand moderately active. Prices unchanged and firm.

Gamma.—Takings moderate. Steady to firm price tone.

H.—Market strictly a routine affair. Prices without alteration.

Laurent's.—No new developments, with market tone firm.

Maleic.—Shipments steady. Prices lacked change, and tone firm.

Malic.—Withdrawals irregular. No change occurred in the prices.

Picramic. — Buying routine. Prices remain the same.

Picric. — Inquiries and shipments steady. Prices rule firm.

Salicylic.—Spot and contract business moderate. Prices unaltered.

Succinic.—Purchases spotty. Prices continued firm.

Sulphanilic. — Satisfactory interest. Pricewise a firm tone prevailed.

Tobias.—Dealings routine. Prices without change.

Other Intermediates

Alphanaphthol.—Transactions fairly steady, and market position firm.

Alphanaphthylamine.—Moderate activity. Prices rule firm.

Anilin.—Shipments moderately active, and prices without change.

Anthraquinone. — Inquiries steady, and prices firm.

Benzaldehyde.—Call for technical moderate. Prices remain the same.

Benzidin Base.—Purchasing routine, and tone of market firm.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Betanapthol.—Withdrawals irregular. Quotations failed to change.

Betanaphthylamine.—Firm price tone, with fair size demand.

Dimethylanilin.—Shipments steady. Prices unchanged and firm.

Dinitrobenzene.—Inquiries and shipments satisfactory, with prices well sustained.

Dinitrochlorobenzene.—Business moderate. Prices rule firm.

Dinitrophenol.—Interest only fair. Prices lacked change.

Dinitrotoluene.—Demand steady. Pricewise a firm tone prevailed.

Diphenyl.—Dealings narrow. Prices the same.

G. Salt.—Market routine. Prices without change.

Metanitroparatoluidin.—The call was confined to conservative quantities, while prices were steady to firm.

Metaphenylenediamine.—Trading narrow. Prices held firm.

Nitrobenzene.—Steady demand. No change disclosed in the prices.

Nitronaphthalene.—Withdrawals steady against contracts as a rule.

Orthoanisidin.—Business irregular. Pricewise a firm tone prevailed.

Orthochloroanilin.—Buying confined to regular channels for nearby requirements.

Orthochlorophenol.—Takings moderate, and prices were the same.

Orthocresol.—Steady movement. Prices unchanged and firm.

Orthodichlorobenzene.—Shipments moderately active, and prices firm.

Orthonitroanilin.—Steady to firm tone, with purchases irregular.

Orthonitrotoluene.—Inquiries and shipments fairly steady. Prices firm.

Orthotoluidin.—Takings moderate. Prices without alteration.

Parachlorophenol.—Routine demand. Prices unchanged and firm.

Paranisidin.—Business spotty. Prices underwent no change.

Paranitroanilin.—Demand irregular, but market displayed firmness.

Paranitrochlorobenzene.—Purchases moderate. Prices rule firm.

Paranitrophenol.—Interest routine, and prices well sustained.

—*Continued on page* 36

Obituaries

Joseph Henry Adams

Joseph Henry Adams, inventor of an oil-cracking process, died in his home in Brooklyn, February 8. He was seventy-four years of age.

Born in Brooklyn, Mr. Adams studied at the College of Physicians and Surgeons. He gave up his medical career to take up designing and photography and then became interested in chemical and physical research. He began his work on the distillation of gasoline in the late '90's with a view to increasing the yield.

Surviving are his wife, two sons and two daughters.

Max E. Goldsmith

Max E. Goldsmith, long prominently identified with the paint manufacturing industry in Baltimore, died in that city January 28. He was eighty-one years of age.

Identified with the Baltimore paint industry for sixty-eight years, Mr. Goldsmith started his business career with Hirshberg, Hollanger & Co., and continued with its successor, the Hirshberg Paint Company. He was an organizer of the Baltimore Paint, Varnish and Lacquer Association and also held membership in the Baltimore Paint and Varnish Production Club. He was an organizer of the Paint Manufacturers' Club in 1914, and served as its president for a term.

Gilbert C. Lee

Gilbert C. Lee, president of the Insto Company, soap manufacturing concern he founded fifteen years ago in Los Angeles, died recently in that city. He was sixty years of age. Mr. Lee was an inventor holding many patents on improvements in the field of machinery.

Walter T. Bliss, an attorney and oil field lease specialist who lived in the New York and Pennsylvania oil field territory since the first boom in 1881, died February 9 at Olean, N. Y. He was eighty years of age.

Norman Day, co-founder and president of the Pennzoil Company of California, died February 9 at Los Angeles.

Dr. William W. Ford, professor emeritus of bacteriology at Johns Hopkins University, and noted for his research in that field and in pathology and infectious diseases, died February 10 at Johns Hopkins hospital, Baltimore, where he had been a patient for two days. He was sixty-nine years of age.

Frank H. Freericks, secretary and general counsel of the American Druggists Fire Insurance Company, Cincinnati, and a prominent figure in the National Association of Retail Druggists Fire Insurance Company, Cincinnati, and a prominent figure in the National Association of Retail Druggists in its early years, died January 23.

Lewis W. Morgan, mining engineer and metallurgist, who built the first Guggenheim smelter at Pueblo, Col., died February 9 of pneumonia at his Hollywood, Cal., Home. He was ninety-two years of age.

Leslie Munn, affiliated with the Calco Chemical Division of the American Cyanamid Company, in public relations work, since 1938, died in a hospital in Bound Brook, N. J., February 9. He was forty-nine years old.

Charles E. O'Hara, former president of the Seymour Company, paper processors, this city, died here February 12.

Dr. E. Wallace Pierce, associated with the Ciba Company, dye chemists, this city, and widely known as a chemist, lecturer and author, died February 8 after a long illness at Clifton, N. J. His age was sixty-four.

Matthew B. Sweeney, general agent for the Sun Oil Company, died February 12 at Dallas, after forty-five years' service with the company. He was sixty-eight years old.

Guy E. Wells, a member of the Carib syndicate, developer and promoter of oil wells in Venezuela and Colombia, and at one time secretary of the Greene Cananea Copper Company, this city, died here last week after a brief illness. He was sixty-seven years old.

Technologists Wanted

The United States Civil Service Commission has announced open competitive examinations to secure technologists for national defense work. Difficulty is being experienced in filling positions in such branches of technology as explosives, fuels, plastics, rubber, minerals, and textiles. The positions to be filled are in several grades with salaries ranging form $2,000 to $5,600 a year.

Applications for the position of junior technologist must be filed at the Commission's Washington office not later than February 20 if sent from States east of Colorado, and February 24, 1941, if sent form Colorado and States westward. For the other technologist positions, applications will be rated as received until December 31, 1941. Further information and application forms may be obtained from the secretary of the board of U. S. Civil Service Examiners at any first—or second-class post office, or from the U. S. Civil Service Commission, Washington.

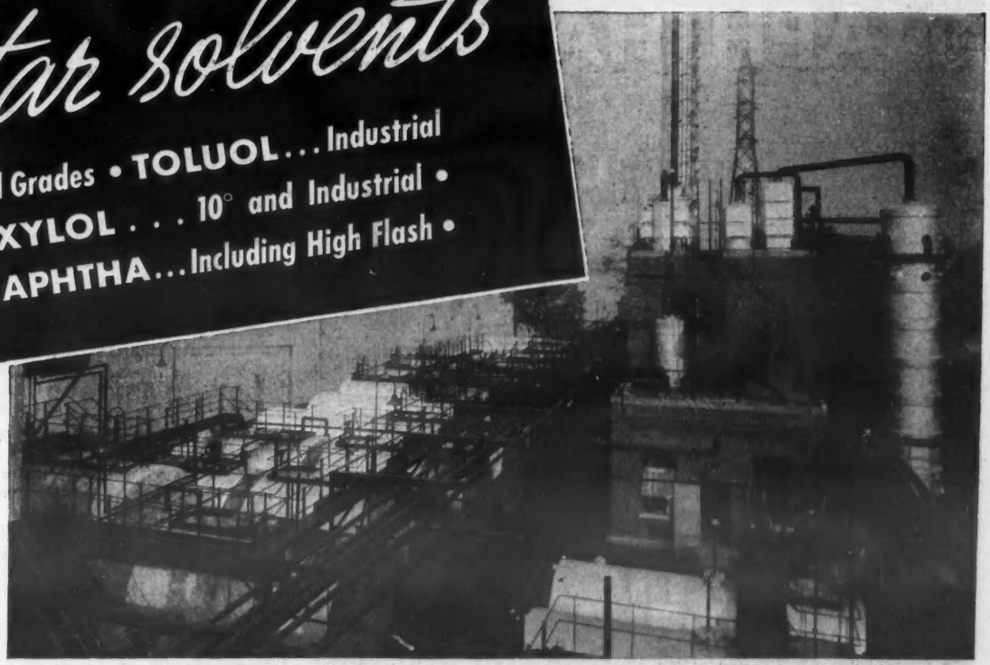
'Calgon' Properties Described

The fundamental properties and principal applications of "Calgon" are described in a leaflet issued by Calgon, Inc. Described as sodium hexametaphosphate, "Calgon" is said to have been found especially valuable as a detergent agent aid and in conditioning boiler water. A copy of the leaflet, as well as other technical bulletins on "Calgon" may be obtained by addressing Calgon, Inc., 300 Ross street, Pittsburgh, Pa., mentioning the REPORTER.

KOPPERS

Coal tar solvents

BENZOL... All Grades • TOLUOL... Industrial and Nitration • XYLOL... 10° and Industrial • SOLVENT NAPHTHA... Including High Flash •



OTHER KOPPERS CHEMICALS AND SOLVENTS

Phenol (82% and 90% Purity)... Cresol (U. S. P., Resin and Plasticizer Grades)... 3° Meta Para Cresol... Cresylic Acid—(99%, pale, low-boiling—99%, pale, high-boiling)... Naphthalene Shingle Stain Oil... Refined Tars... Tar Acid Oils... Pitch Coke... Industrial Coal Tar Pitches... Flotation Oils... Creosote

OTHER KOPPERS PRODUCTS

Coal Tar Roofing Materials... Waterproofing and Dampproofing Materials... Tarmac Road Tar Materials... Bituminous-base Paints... Coal... Coke... Tanks and Tank Work... Removal and Recovery Systems... Gas Plants... Fast's Self-aligning Couplings... American Hammered Piston Rings... Pressure-treated Lumber

Experience gained by Koppers in developing, designing and constructing a large proportion of the plants in which coal tar solvents are recovered enables Koppers to produce coal tar solvents of uniformity and dependable quality.

KOPPERS COMPANY · PITTSBURGH, PA.

Coaltar Chemicals

Other Intermediates

—*Continued from page 35*

Paranitrotoluene.—Firm tone governed the dealings, and shipments moderate.

Paratoluidin.—Shipments irregular, while prices held firm.

Phthalic Anhydride. — Demand steady. Prices were the same, with tone steady to firm.

R. Salt.—Market routine. Prices without change.

Schaeffer's Salt.—New business light. Prices firm.

Thiocarbanilide.—Demand moderate. Prices steady to firm.

Toluidin Base.—Steady inquiry. Market tone firm.

Xylidin, Mixed.—No change in prices, while shipments remained moderate.

Coaltar Colors

Business moved at a moderately active pace in the market for various coaltar colors last week. Inquiries from the textile and leather trade were well maintained, while other consumers were making fair-size replacements. Not much broadening occurred in the export market. Prices held at previous levels, with the general tone one of firmness.

December imports of coaltar colors, dyes and stains amounted to 126,197 pounds, valued at $230,537, of which 67,617 pounds came from Germany; 52,157 pounds from Switzerland and 5,903 pounds from the United Kingdom.

Exports of coaltar colors from the United States registered a decided increase in 1940 to 24,399,521 pounds, valued at $15,209,164, as compared with 13,715,659 pounds, valued at $6,432,358 in the corresponding 12 months of 1939.

Walgreen Company, drug chain store operator, Chicago, sales in January amounted to $6,479,713, against $5,864,122 in January, 1940.

Coaltar Solvent Leaflet Issued by Koppers Co.

The benzol - toluol - xylol - solvent naphtha family is the subject of "Koppers Coal Tar Solvents," a leaflet published by Koppers Company, tar and chemical division, Pittsburgh. These solvents, derived from coaltar, are used in the manufacture of chemicals, photographic developers, dyes, synthetic perfumes, lacquers, paints, leather, rubber, printing inks, pharmaceutics, explosives and electrical goods. Characteristics of Koppers standard coaltar solvents are given in a table. Copies of the leaflet may be obtained by writing the company, mentioning the REPORTER.

Hooker Electrochemical Elects

Hooker Electrochemical Company, Niagara Falls, N. Y., at a meeting of the directorate January 20 elected the following officers:

President; H. M. Hooker; executive vice-president, E. R. Bartlett; vice-president in charge of development, R. L. Murray; vice-president and salesmanager, R. W. Hooker; secretary and assistant treasurer, L. A. Ward; treasurer and assistant secretary, J. F. Bartlett; assistant treasurers, W. A. Perrin and D. A. Riordan.

The company also announces the appointment of:—

Works manager, Niagara plant, B. Klaussen; Western salesmanager, Tacoma plant, A. H. Hooker, jr.; works manager, Tacoma plant, J. A. Flynn; purchasing agent, Dunbar Meek; assistant purchasing agent, H. W. Hooker, jr.; In charge of sales promotion, G. F. Rugar, and T. L. B. Lyster continues as chief engineer.

Steel Barrel Output Off

Steel barrel production of the heavy type in December amounted to 1,452,293, compared with 1,457,342 in November and 1,468,963 in December, 1939. Shipments in December totaled 1,441,559, against 1,455,370 in November and 1,457,472 in December, 1939. Stocks at the end of the month reached 52,418, compared with 41,684 in November, 1940.

Output of light types amounted to 231,994 in December, compared with 236,791 in November and 258,435 in December, 1939. Shipments totaled 258,435 in December, compared with 320,793 in November and 148,073 in December, 1939.

Silicate Uses Discussed

A discussion of newly developed uses for sodium and potassium silicates is contained in the February edition of *Silicate P's & Q's*, monthly publication of the Philadelphia Quartz Company. Fields included among the suggested uses for silicates are in fluorescent films and lighting, abrasive products, silver coatings, pigment compositions, and in gel preparations. A copy of the new edition may be obtained by addressing the Philadelphia Quartz Company, 121 South Third street, Philadelphia, mentioning the REPORTER.

Acetic Freights Lowered

The New York Public Service Commission has approved new commodity freight rates of the New York Central railroad on acetic acid, in tank cars, minimum weight subpect to Rule 35 of Official Classification, from Niagara Falls and Suspension Bridge to Amsterdam 27 cents per hundredweight. Reduction from class rates. Effective March 1, 1941.

Salt Freights Reduced

The New York Public Service Commission has approved new commodity freight rates of the Baltimore & Ohio railroad on salt and salt compounds, as described and at carload minimum weight specified in tariff, rates per hundredweight, from Silver Springs to Dansville and Groveland on Delaware, Lackawanna & Western, 12c. on salt in packages, and salt compounds and 10c on salt in bulk. Reduction from class rates. Effective March 3, 1941.

U.S. Duty Not Affected By Argentina Pact

OPD Washington Bureau
February 3, 1941

The import duty on products from Argentina was not affected by the reciprocal trade agreement with Cuba giving Cuba special tariff treatment, the United States Court of Customs and Patent Appeals decided today in a case involving Argentine corn imported at Chicago in 1937 by the Ernest E. Marks Company.

Under authority of the trade agreements act, the President entered an exclusive trade agreement with Cuba in 1934 establishing a duty on corn of 10 cents per bushel, which rate was not generalized to other countries. The Marks company was assessed duty at 25 cents per bushel as provided in the tariff act of 1930. It contended that the President had authority to give Cuba preference of only 20 percent below other countries and that Argentine corn was therefore dutiable at 12½ cents per bushel.

In support of this it cited the commercial treaty between the United States and Argentina of 1853, still in force, which provided for conditional most-favored-nation treatment. Commercial treaties made since the Cuban convention of 1902 have provided for special treatment for Cuba which need not be generalized to other nations.

The court held that the President had power to make an exclusive preferential agreement with Cuba and that tariff rates so made are not applicable to Argentine products unless Argentina should make concessions to the United States similar to those made by Cuba.

Equipment Catalog Issued

Mixing equipment for industrial applications is described and illustrated in a new catalog published by the Eastern Engineering Company. One section of the work is devoted to engineering data on the selection and adoption of mixing units. Other sections discuss fluid mixers of all sizes, air powered mixers, temperature controls, and various types of pumping equipment. A copy of the catalog may be secured by addressing the Eastern Engineering Company, 45 Fox street, New Haven, Conn., mentioning the REPORTER.

Robert M. Crawford, of Durez Plastics & Chemical Inc., North Tonowanda, N. Y., addressed the Western New York section of the American Institute of Chemical Engineers at its February meeting in Hotel Buffalo, Buffalo. He spoke on a new synthetic phenol process.

REPUBLIC CRUDE NAPHTHALENE

REPUBLIC STEEL REG. U.S. PAT. OFF.

ALSO

BENZOLS 1°—2°—90% - Motor

TOLUOLS Nitration-Commercial

XYLOLS 3°—5°—10°—Commercial

SOLVENT NAPHTHA • AMMONIUM SULPHATE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL CORPORATION

General Offices • Cleveland, Ohio

BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Cleveland, Ohio • Warren, Ohio • Youngstown, Ohio Canton, Ohio • Massillon, Ohio • Gadsden, Alabama • Birmingham, Alabama

Highest quality

NAPHTHENIC ACID

CRESYLIC ACID

VISCOUS OILS (extremely viscous polymerized hydrocarbons)

CALODORANT GAS ODORANT

STANDARD OIL COMPANY OF CALIFORNIA

225 BUSH STREET, SAN FRANCISCO, CALIFORNIA

CALIFORNIA COMMERCIAL COMPANY, INC.

30 ROCKEFELLER PLAZA, NEW YORK, N. Y.

HOOKER ELECTROCHEMICAL CO.

HOOKER *Cyclohexanol*

HOOKER ELECTROCHEMICAL COMPANY Niagara Falls, N.Y.

Low Temperature Carbonisation, Ltd.

ENGLAND

Largest manufacturers in the World of low temperature tar acids of the highest possible degree of purity and efficiency.

A considerable proportion of the output is already being exported to North and South America for disinfectants, germicidal products and plastics, in addition to the special high efficiency flotation grade for the mining industry.

This is the first time in history that highly refined tar acids of this type have been made available on a large scale, and remarkably good results are being obtained by our many American buyers.

Please send us a note of your requirements with full particulars to our Sales Agents:—

TAR RESIDUALS, LTD., "Garthlands," Reigate Heath, SURREY, ENGLAND

Paint, Varnish, Lacquer Materials

Heavy Domestic Demand Causes Pig Lead Price Advance—Zinc Shortage Acute — Defense Officials Ask Economy in Use—Casein Lower—Turpentine Again Weakens

The price of pig lead was advanced by prominent suppliers last week. The increase was said to be necessary because suppliers recently have been forced to use foreign lead in order to meet the demand from domestic consumers. It was added that buying in the United States had been in excess of production in the last few weeks and it had been found necessary to import Mexican pig lead in order to make up the difference.

The acuteness of the zinc supply situation received additional emphasis with the January statistics report of the American Zinc Institute showing that stocks of all grades of zinc were at the lowest recorded level. A total of 8,768 tons was on hand at the end of January, compared with 12,884 at the end of December, a drop of 4,116. On the basis of shipments in the past few months, current supply in producers' hands is equivalent to only about four days needs. Concerned with the shortage, the priorities director for the Office of Production Management asked manufacturers producing non-defense materials using zinc to "economize" so that more of the metal will be available for the manufacture of cartridges.

The general paint material market was moving at a good pace during the week. Carlot prices for lead oxides were advanced in sympathy with the movement of the metal. Most pigments were in good demand. Chemical colors were in heavy call, with many consumers pressing for prompt shipment. Sole weakness in the market was in domestic and Argentine casein. Lack of demand caused price reductions. Glues remained very strong and scarce.

A further decline in turpentine was the leading feature of the market for naval stores. Sales were reported at Savannah at the lowest prices recorded for some time past. The downward trend was attributed to the absence of any improvement of consequence in demand. Rosin prices showed irregularity, changes in most grades being within comparatively small limits. The movement of rosin on contracts appeared to be holding up well, but new business was rather quiet.

Metallic Lead and Zinc

The price of pig lead was advanced 15 points per pound last week to a level of 5.65c. to 5.70c. per pound at New York and 5.50c. at East St. Louis. Demand was good at the new figure. February needs were reported fully covered while consumers' needs for March were believed about 50 percent covered. Sales of slab zinc were at about the same level as the previous week, with suppliers continuing to curtail offerings. Price was steady at New York and East St. Louis.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from February 8 to February 14, inclusive, were as follows:—

	Pigs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0550@.0555	$0.0535	..* .. ..
Monday	.0565@.0570	.0550	.. .. ..
Tuesday	.0565@.0570	.0550	.. .. ..
Wedn'sd'y.	....@....	†....	.. .. ..
Thursday	.0565@.0570	.0550	.. .. ..
Friday	.0565@.0570	.0550	.. .. ..

* London exchange closed.
† Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from February 8 to February 14, inclusive, were as follows:—

	Slabs		Spot. London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0765	$0.0725	..* .. ..
Monday	.0765	.0725	.. .. ..
Tuesday	.0765	.0725	.. .. ..
Wednesday	....	†....	.. .. ..
Thursday	.0765	.0725	.. .. ..
Friday	.0765	.0725	.. .. ..

* London exchange closed.
† Holiday.

Price Changes

Advanced

Lead, red, dry, c.l., 15 points per lb.
pig, 15 points per lb.
Litharge, comml., pwdrd., c.l., 15 points per lb.
Rosin, gum, dark, 1c. to 2c. per 100 lbs.

Reduced

Casein, dom., 20-30 mesh, ½c. per lb.
80-100 mesh, ¼c. per lb.
imp., Argentine, 20-30 mesh, ½c. per lb.
Rosin, gum, medium, 5c. to 17c. per 100 lbs.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
128.0	128.0	128.0	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Pigments

Antimony White.—Fairly good movement with material not offered too freely. Price steady.

Flake White.—Normal business reported. Price firm and unchanged.

Litharge.—Car lot price of the commercial powdered material was advanced 15 points last week to a level of 7.40c. per pound delivered to the South and West, and 7.15c. per pound delivered to other points. The less carload price remained unchanged.

Lithopone.—Good demand reported. Price steady and unrevised.

Orange Mineral.—There was no change in the market for this pigment. Demand held to satisfactory levels and prices were firm and unchanged.

Red Lead.—The car lot price was advanced 15 points per pound in sympathy with the metal. The 95 percent material was quoted at 8.40c. per pound delivered to the South and West and at 8.15c. delivered to other

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

Association Meetings:—
Purchasing Agents Ass'n, May 26-29, Chicago.

EXCELLENT MISCIBILITY WITH OILS & VARNISHES
LIGHT IN COLOR (IDEAL FOR WHITES)
EASY BRUSHING & GOOD LEVELING
VERY GOOD GLOSS & COLOR RETENTION
ENTIRELY SOLUBLE IN MINERAL SPIRITS & COAL-TAR SOLVENTS
NEUTRAL WITH BASIC PIGMENTS

ACID VALUE 3-4: VISCOSITY Z_1—Z_2
60% SOLIDS—40% MINERAL SPIRITS

PARAMET SYNTHETIC RESINS

SAMPLE AND PERTINENT DATA ARE YOURS FOR THE ASKING.

PARAMET CHEMICAL CORPORATION
MANUFACTURERS OF SYNTHETIC RESINS
44TH AVENUE AND 10TH STREET • LONG ISLAND CITY, N. Y.

CLAYS
FOR CASEIN PAINTS

•

Controlled Particle-Size
High Opacity
Uniform Tinting Strength

•

Clays of Exceptionally White Color

•

GEORGIA KAOLIN CO.
FOUNDED 1901
230 PARK AVENUE NEW YORK, N. Y.
Main Office: ELIZABETH, NEW JERSEY

THIS TRADE MARK GUARANTEES QUALITY
GROUND CLAY
TAINTOR TRADING CO., Inc.
NEW YORK, N. Y

FILAC
CLEAN SOLUBLE NITRATE FILM SCRAP
HORN, JEFFERYS & CO.
BURBANK, CALIFORNIA
"Available in Flakes"

Secondary Butyl Alcohol
for BETTER AND CHEAPER
LACQUERS
STAINS
POLISHES
DETERGENTS
Sample and a copy of "Solvents Derived from Petroleum" available
STANDARD ALCOHOL CO.
26 BROADWAY - - NEW YORK, N. Y.

S&W Natural Resins
Accroides • Singapore Damars • Congo Gums • Lobe • Batu
Black East Indies • Elemi • Manila • Batavia Damars • Kauri
Pale East Indies • Pontianak
NATURAL RESINS, as raw materials, are as old as the varnish art itself. The resins are available in a continuous series as regards solubility, hardness and color and therefore offer the formulator a wide choice. Some of these resins are processed at our plants, under rigid control. The scarcity of chinawood oil makes the use of certain of these processed naturels particularly desirable now.
THE COMPLETE RESIN LINE
"S & W" ESTER GUM—all types
"AROCHEM"*—modified types
"AROFENE"*—pure phenolics
"AROPLAZ"*—alkyds
"CONGO GUM"—raw, fused and esterified
NATURAL RESINS—all standard grades
*Reg. U. S. Pat. Off.
From many years of experience, involving worldwide coordination, the Stroock & Wittenberg Corporation has established connections to safeguard careful selection, grading and packing. Representative retained samples and warehouse stocks round out a comprehensive service.
STROOCK & WITTENBERG CORPORATION
60 East 42nd St. NEW YORK, N. Y.

Turner CHEMICALS
CAUSTIC SODA
CALCIUM STEARATE
ALUMINUM STEARATE
ZINC STEARATE
JOSEPH TURNER & COMPANY
PROVIDENCE RIDGEFIELD, N. J. CHICAGO

points. The 97 percent product was at 8.65c. and 8.40c. per pound, and the 98 percent at 8.90c. and 8.65c. Prices on smaller lots were unchanged.

Titanium Pigments.—Contract call remained heavy during the period under review. There was a little new business reported but it was mostly for small-sized lots. Prices remained firm and unchanged.

White Lead.—Shipments on contract continued to run at good seasonal levels. Inquiries were more numerous, indicating a pick-up in trade within the next few weeks. The price was not affected by the advance in metal quotations and remained firm.

Zinc Oxides.—There were no new developments during the period under review, demand for these pigments continuing to be at a high level. Most call was for contract delivery. Prices were steady and unrevised.

Fillers and Extenders

Asbestos.—Fairly good call. Prices steady and unchanged.

Barytes.—Normal market condtions prevailed. Demand was routine and deliveries were in fair-sized lots. The Canadian government plans to reduce imports of Barytes in the future by increasing domestic output. Total Canadian output in 1939 was only 300 short tons but high grade deposits of the mineral have been discovered recently near Windsor, Nova Scotia, and these deposits are expected to aid materially in cutting down imports.

Blanc Fixe.—Routine movement reported. Shipments were steady but were mainly in small-sized lots. Prices were firm and unchanged.

China Clay.—Little of new interest was reported. The market began to broaden a bit, with more inquiries appearing. No changes were made in quotations.

Diatomaceous Earth.—The natural material was moving sluggishly last week but there was a fairly good demand for the purified type. Chemically pure material was moving in normal fashion. All prices remained firm and unchanged.

Fullers Earth.—Fair call. Prices firm.

Mica.—Shipments larger. Prices steady.

Wood Flour.—Wtih the Norwegian material unattainable, demand for domestic supplies continued to improve. Prices were firm.

Naval Stores

A further weakening of turpentine was the chief development in the naval stores situation last week. The price at Savannah dropped to 32c. per gallon on Tuesday and to 31½c. on the following day. This decline within a short time of six cents per gallon brought the basic down to the lowest point recorded for several months past. The weakness was attributed to the absence of any change in the attitude of consumers, many of whom were still disposed to hold off and await further developments in view of the weakness recently in the markets for securities and various other commodities.

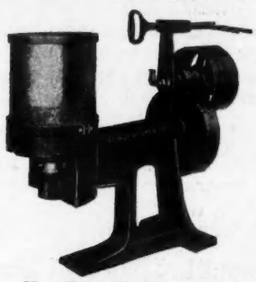
Unfavorable reports concerning political conditions abroad and uncertainty in the matter of domestic tax and other legislation also had a tendency to make consumers adhere to a conservative course in purchasing. Business in rosin was also rather disappointing but changes in quotations on that commodity were generally confined within comparatively small limits, especially as the indications still seemed to some to point to a rather liberal increase in consumption for the current season as compared with the previous naval stores year.

The government remained in the market as a seller of rosin and turpentine. Offerings of both products were rather light or moderate much of the time. Receipts in Southern markets were generally small and no change of consequence in the situation in this respect is expected during the next six weeks, or until the new crop season gets well under way.

Prospects for production during the coming naval stores year are being more widely discussed in some quarters and it is pointed out in this connection that the supply of labor and the unusually high prices being paid for timber by the lumber companies may cause a not unimportant curtailment of the naval stores output next season. A shortage of labor has been reported in some parts of more attractive wages being paid in some other fields.

Turpentine.—The price trend here was downward at times in company with the primary center where demand failed to show the improvement that some had expected as a result of the recent decline. Purchasing was

FOR GILSONITE SEE BARBER!
"Selects" and "Standard" grades. High and low melting points. Clean and uniform. Carload shipments available from Craig, Colorado, and Madison, Illinois. Convenient warehouses for less-than-carload shipments.
BARBER ASPHALT CORPORATION
BARBER, NEW JERSEY

COLTON GRANULATOR

No. 3 Rotary Wet Granulator
Produces an unusually firm quality of granulation. Dissembled for cleaning by removing two set screws. Granulates approximately 600 pounds of sugar or similar material per hour.
Complete catalog of pharmaceutical manufacturing equipment on request
ARTHUR COLTON CO.
2624 E. Jefferson Ave., Detroit

Shawnee
DRY COLORS
Color Content Guaranteed
Chrome Greens
Chrome Yellows
Toluidine Reds
Para Reds Iron Blues
Cadmium Colors
Lake Colors
Ultramarine Blue
KENTUCKY COLOR & CHEMICAL CO.
Incorporated
General Office and Works
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities
Distillers of Coal Tar Products

generally limited to small or moderate lots for prompt shipment.

SAVANNAH, Feb. 14.—Following is a record of the turpentine market for the week:—

	Gallons		Barrels		
	Cents.	Sales.	Re-ceipts.	Ship-ments.	On hand.
Saturday*	..	...	...	...	...
Monday	33½	750	11	4	11,488
Tuesday	32	2,950	11	199	10,300
Wednesday	31½	3,750	11	21	10,290
Thursday	31½	650	50	...	10,340
Friday	32	600	12	110	10,242

* No trading.

JACKSONVILLE, Feb. 12.—Turpentine stocks 14,351 barrels.

PENSACOLA, Feb. 8.—Turpentine stocks 10,411 barrels.

Chicago—Feb. 14

Turpentine quiet. Ruling prices at the close of business last night were:—Five-drum lots, 46c. per gallon; five wood barrels, 51c.; single drums, 49c.; single barrels, 54c.

Rosin.—No broadening of trade was noted here. In some quarters a fair volume of inquiries was received, but purchases were generally limited to comparatively small quantities to fill the immediate needs of consumers. Price changes were generally narrow.

SAVANNAH, Feb. 14.—Following is a record of the rosin market for the week:—

	Price per unit	Low of range quoted			
	*Sat.	Mon.	Tues.	Wed.	Thurs.	Fri.
B	...	$1.57	$1.55	$1.55	$1.58	$1.58
D	...	1.62	1.62	1.62	1.63	1.63
E	...	1.62	1.62	1.62	1.63	1.63
F	...	1.62	1.62	1.62	1.63	1.63
G	...	1.63	1.62	1.62	1.63	1.63
H	...	1.68	1.65	1.65	1.63	1.63
I	...	1.75	1.78	1.78	1.70	1.70
K	...	2.00	1.90	1.90	1.80	1.80
M	...	2.07	1.95	1.95	1.90	1.90
N	...	2.25	2.25	2.25	2.20	2.20
WG	...	2.55	2.55	2.55	2.55	2.55
WW	...	2.76	2.76	2.76	2.76	2.76
X	...	2.76	2.76	2.76	2.76	2.76
	Barrels					
Sales	...	234	287	...	234	...
Receipts	...	681	638	66	100	502
Shipments	...	804	849	139	...	897
Stocks	...	...	...	...	...	170,034

* No trading.

JACKSONVILLE, Feb. 12.—Rosin stocks 329,014 barrels.

PENSACOLA, Feb. 8.—Rosin stocks 55,867 barrels.

Chicago—Feb. 14

Rosin market slow. Ruling prices at the close of business last night in five drum lots were:—B grade, $2.88 per 100 pounds net; G grade, $2.92; M grade, $3.37; W.W. grade, $4.06.

Other Naval Stores

Pine Oil.—Fair movement of moderate lots. Quotations maintained. Tone steady.

Pitch.—Inquiries received in somewhat larger volume. Spot stocks reported light.

Rosin Oil.—Tone steady in absence of any material change in position of raw material.

Tar.—Trade generally of conservative character. Market tone steady.

Driers

Contract call for various palmitates and stearates remained normal and satisfactory to prominent suppliers last week. Shipments were not heavy but were moving in good fashion. A few more inquiries appeared in the market. All prices remained firm and unchanged.

Dry Colors

Alkali Blue.—A continued good call featured the market. Inquiries were more numerous, although actual new business was small. The price was steady and unchanged.

Bone Blacks.—The market was well maintained by a normal demand. Supplies were moving at a good price. Inquiries were at the level of the previous week. Prices were firm and unchanged.

Carbon Blacks.—Heavy volume of shipments continued to feature the market for these colors. The biggest demand came from the rubber manufacturers, but the paint trade was also an active factor. No changes were made in listed quotations.

Cadmium Lithopones. — Producers again reported that spot call was sluggish, but inquiries indicated a pick-up in the near future. Contract call was better than normal and shipments were fairly large.

Carmine No. 40.—Routine movement reported. Price firm.

Chrome Colors.—Buyers continued to be actively interested in offerings and material was moving out at a good rate. Prices were steady and unchanged.

Iron Oxides.—Good call reported. Prices unchanged.

when you want the quality

that will increase demand

formulate with Imperial colors

IMPERIAL PAPER AND COLOR CORPORATION
Pigment Color Division GLENS FALLS, N. Y.
The largest manufacturers of chemical pigment colors in America
Branch Offices and Warehouses:
Boston New York · Philadelphia · Cleveland Detroit · Cincinnati
Pittsburgh Seattle · Chicago · St. Louis San Francisco
Baltimore Dallas Los Angeles · Louisville

PLYMOUTH STEARATES
ALUMINUM - ZINC - CALCIUM
Established Quantities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
50 BEEKMAN STREET, NEW YORK CITY

LAMP CARBON BONE BLACKS LAKE VINE OXIDE
C. J. OSBORN CO., 132 Nassau Street, NEW YORK
Established 1889

Headquarters for ROSIN OIL
WRITE FOR OUR "PINE TREE PRODUCTS" BOOKLET
NATIONAL ROSIN OIL AND SIZE COMPANY
R. K. O. Building, Rockefeller Center, New York, N. Y.
Offices: 3001 West 47th Street, Chicago, Ill. *Factory:* Savannah, Ga.

ASBESTOS FIBRES For the PAINT TRADE
ASBESTOS CORPORATION OF AMERICA
90 West Street Telephone REctor 2-0656 New York

STEARATES
ZINC STEARATE
CALCIUM STEARATE
ALUMINUM STEARATE
MAGNESIUM STEARATE
Stocks at
• NEW YORK
• CHICAGO
• ST. LOUIS
• KANSAS CITY
• DALLAS
• LOS ANGELES
• SAN FRANCISCO
• SEATTLE
FRANKS CHEMICAL PRODUCTS CO.
BLDG. 3, BUSH TERMINAL — BROOKLYN, N.Y.

PICCO PRODUCTS
PICCOUMARON RESINS
HIFLASH NAPHTHAS
HIGH SOLVENCY NAPHTHAS
NOW INCLUDE THE NEW NON-YELLOWING
PICCOLYTE RESIN
A Pure Hydrocarbon Thermoplastic Terpene Resin
ONLY PICCOLYTE CAN OFFER YOU
• Pale Color
• Excellent Solubility
• Neutrality to Pigments
• Compatibility with Oils and Resins
• Acid and Alkali Resistance
• High Melting Points
• No After Yellowing
• Reasonable Price
NO OTHER RESIN COMBINES THESE PROPERTIES
Samples and Quotations On Request
Now Available From Volume Production
Pennsylvania Industrial Chemical Corporation
CLAIRTON PENNSYLVANIA

Lamp Black.—More inquiries were reported. This, coupled with the continued good contract call, tended to maintain the market at a firm level.

Mercuric Oxides. — Government buying on the West Coast gave strength to the general market. Demand in the East was more or less routine. No changes in prices were recorded.

Vermilion.—Demand continued to improve slowly. Price of quicksilver vermilion was firm and unchanged.

SICO

Ultramarine Blue
Alkali Blue Toner
Dyestuffs
Methyl Violet Toners
Blanc Fixe
Iron Blues
Para Toners
Toluidine Toners
Lithol Toners
Red Lake C Toners
Permanent Orange Toners
Pyrotone Red Toners
Barium Products

STANDARD
ULTRAMARINE CO.
HUNTINGTON, WEST VIRGINIA

Lacquer Materials

Shipments moved at a good pace in the market for lacquer materials and solvents last week. Aside from steady inquiries from commercial channels, government bids made their appearance for sizable quantities. The principal materials asked for were acetone, dibutyl phthalate and nitrocellulose. A good number of export inquiries reached the market, however, sellers continued the policy of preserving available supplies for domestic consumers. There were no new price developments, but the market retained its firm tone.

Acetone.—Shipments steady. Selling restricted. Prices unchanged and firm.

Alcohol, Butyl.—Business moderately active. Prices rule firm.

Butyl Acetate.—A good amount of replacement buying kept market in firm position.

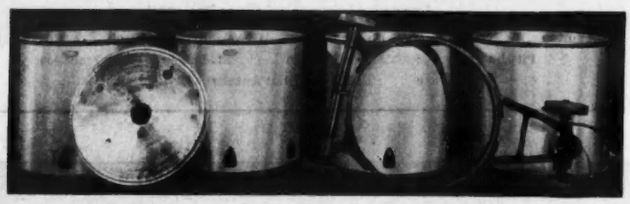
Butyl Propionate.—Takings routine. Pricewise a firm tone prevailed.

Cellulose Acetate. — Shipments moved at a fairly steady pace. No change in the prices.

SILVATEEN FOAM AA

A newly perfected silica that takes the place of German Imported Schultz Silica and Neuberger Chalk. It has excellent colloidal suspension and polishing qualities. Ideal for manufacture of government metal polishes.

TAMMS SILICA CO.
228 N. LASALLE ST., CHICAGO



BRIGHTON STAINLESS STEEL KETTLES

and heavy duty Trucks invariably become standard equipment in plants which give them just one trial.

Brighton Stainless Steel Kettles outwear two or three kettles of other metals, speed up batches, and turn out a clearer, lighter varnish.

BRIGHTON COPPER WORKS
CINCINNATI, OHIO

Diamyl Phthalate.—Market firm and prices unchanged. Purchases moderate to regular channels.

Dibutyl Phthalate.—Steady interest. No change occurred in the prices.

Dichlorethyl Ether. — Withdrawals held up well against contracts. Prices remain firm.

Diethyl Phthalate.—Quotations unchanged, and tone firm. Buying irregular.

Dimethyl Phthalate.—A satisfactory inquiry prevailed. Prices rule firm.

Ethyl Acetate.—Spot and contract withdrawals steady. Prices retained their firmness.

Ethyleneglycol. — Buying continued steady. Prices were the same, with tone firm.

Isopropyl Acetate.—Demand moderately active. Quotations firm.

Methyl Acetate.—A good movement to domestic channels. No change disclosed in the prices.

Nitrocellulose.—Inquiries active, and shipments steady. Prices firm.

Tricresyl Phosphate.—Purchases moderate to regular channels. Prices failed to change.

Triphenyl Phosphate.—Tone remained firm, and buying fairly steady.

Shellac

Shellac remained a fairly steady article in the spot market throughout the past week. Since cables from Calcutta showed very little change in the replacement values of the item, maintenance of spot quotations on a fairly stable basis was in line with reasonableness. Substantial consideration to the pending 25 percent rise in freight rates was noted. The advance will increase the cost of shellac fractionally, estimated variously between 3/16c. and ¼c. per pound. The war is making shipping space constantly harder to get and steadily more valuable. Demand for shellac was reported very good most of the time last week, consumers placing a fair volume of new orders and showing a disposition to accept contract tenders in fairly satisfactory fashion.

Varnish Gums

The market for natural resins was more or less quiet last week. Demand was running along routine lines. Shipments from abroad were normal, with no scarcity of freight space reported. Prices were firm and unchanged at domestic and primary points.

Synthetic Resins

The demand for ester gum continued to broaden last week. Contract material was moving freely and in normal manner despite the increased call. Inquiries were slightly more numerous, indicating a possibl further expansion. Prices were steady and unchanged.

Glues and Binders

Casein.—The domestic 20-30 mesh material was reduced ½c. per pound to 12c. to 13c. for carload lots in bags. The 80-100 mesh was lowered ¾c. per pound to 12½c. to 13½c. for car lots. The 20-30 mesh product from Argentina was reduced ½c. to 12c. per pound and the 80-100 remained unchanged at 12½c.

Glues. — Prices remained very strong, with demand heavy. Offerings were limited.

Rosen Re-Elected Head Of Shellac Importers

The annual election for officers of the United States Shellac Importers' Association, held February 6 in the Downtown Athletic Club, resulted in the re-election of M. A. Rosen, of the Mantrose Corporation, as president. Other officers chosen were:—Vice-President, Herbert H. Suhr, of E. J. Cornelis; treasurer, Ralph W. McClintock, of the Mac-Lac Company; secretary, George E. Ashby. Louis Gillespie, of the Gillespie-Rogers-Pyatt Company, was chairman of the nominating committee.

Directors chosen to serve during the year ahead were John R. Anderson, of Ralli Brothers; Louis Gillespie; A. E. Jacobs, of Dings & Schuester; Arthur Lerden, of Alfred Kramer & Co.; and Phillip Rowe, of P. N. Rowe.

Mr. Rosen in his annual address covered the work of the past year, its problems, and their solution. Reports by James W. Byrnes, of the Mac-Lac Company, for the quality committee, Arthur O. Ford, of the Mantrose Corporation, for the membership committee, B. H. Knight, for the chemists committee, and Dr. William A. Gardner, for the Research Bureau in the Brooklyn Polytechnic Institute, were presented and accepted.

Shellac Importers File Petition on Ocean Rate Rise

The recent announcement of the Conference Lines, notifying shellac importers that, effective April 1, ocean freight rates from India to the United States would rise 25 percent, led the United States Shellac Importers' Association to petition for a more liberal enforcement of the new rates.

The advance would affect shellac purchased on or before April 1 and for January—March shipment. The petition requested that shellac bought between January 15 and 31 be freed from the higher rate if shipment was delayed until April.

While no official reply has been received from the Conference Lines, unofficial information suggests that the petition will fail.

Phila. Production Club Held 'Ladies Nite' Party Feb. 6

The Philadelphia Paint and Varnish Production Club held its annual "Ladies' Nite" party in the Ritz-Carlton hotel February 6, with more than 136 members and guests in attendance.

After the dinner, President Guido Henry verbally extended a welcoming hand. He conveyed the good wishes for an enjoyable evening from John McMenamin, who could not attend because of illness. The proceedings were then turned over to Herman Zimmerman, who presented an all-star floor show which was roundly applauded by the assemblage. Dancing followed the floor show.

Falk & Co. Special Agent For Baker on 'Castung'

Baker Castor Oil Company, this city, have announced substantial improvements in its dehydrated castor oils, marketing them in various bodies, under the trade name of "Castung." The company has appointed Falk & Co. of Pittsburgh and Chicago special representatives, in order that the Falk laboratory facilities may be available to give technical service on the proper uses of these improved "Castung" oils. Among the Falk representatives, the D. H. Litter Company, with its New York laboratory, are servicing these materials in the Eastern territory.

H. G. Schlegel has been named vice-president of Hays-Taylor, Inc., paint and varnish manufacturer, Buffalo.

British printing ink industry has made great strides during the past twenty-five years, and has developed in all its branches to the extent that it now supplies 99 percent of domestic requirements.

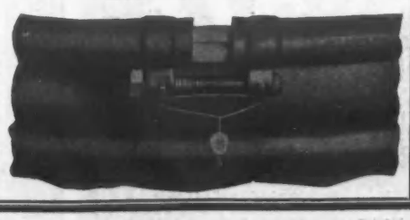
For Safe Deliveries Use
THORNTON
BOLTED RING SEAL DRUMS

SIMPLE—RELIABLE—FOOLPROOF A simple bolt and nut connection—nothing to get out of order—absolutely reliable at all times.

CONVENIENT—The convenience of this type of full removable head drum is apparent. No elaborate closing tool is required. Drums are suitable for shipping solids, semi-solids and liquids.

BACKED BY EXPERIENCE—Many years of steel container manufacturing experience are back of every drum. Precision machinery, experienced workmen, high quality materials all combine to guarantee the high quality of Thornton Steel Containers.

Made in all sizes from 1 to 70 gallons



THE F. C. THORNTON CO.
6712 Union Avenue CLEVELAND, OHIO

Toronto Club Foregoes Current Technical Study

The January meeting of the Toronto Paint and Varnish Production Club was held at the Park Plaza hotel. The business was preceded by a toast to the king. Five new members were introduced. The next meeting was announced for February 21 at O'Keefe's brewery.

A motion was brought before the meeting by Mr. Langton and Mr. Brookbanks that suppliers at the federation convention have their rooms closed during the daytime to encourage participation in the program activities. This was carried, and the recommendation will be forwarded by the secretary.

President Les Davis then reported that the consensus of opinion of firms contacted was that the activities of the technical committee should be suspended for the duration of the war. J. W. Brock moved, and Mr. A. R. Stewart seconded, the motion that the club forego technical committee work for the present year. This was carried.

After further discussion on the desirability of the club paying at least part of the expenses of the technical committee chairman's trip to the confederation convention, Mr. Brookbanks and Mr. Jansen, upon President Davis' suggestion, successfully proposed the motion that $50 be subscribed each year for this purpose. Since the technical committee will not be active this season a motion was carried that $50 be donated to the Birmingham (Eng.) Production Club for war work.

Don. Sneyd then introduced the speaker, Max Schantz, of the Hercules Powder Co., who took this occasion for the first public introduction of "Plexite," a polymerized rosin. From a comparison with the garden variety of rosin, the lower acid number of "Plexite," together with the higher melting point, higher viscosity, faster dry, better water and alkali resistance and better general durability, were believed to considerably more than offset the slight premium required by the low cost processing operation involved in the production of "Plexite."

C.D.I.C. Club Hears About Krebs TiO_2

The January meeting of the Cincinnati., Dayton, Indianapolis, Columbus Club was held at the Van Cleve hotel, Dayton. After an oral introduction of the forty-one members attending, President Ray Swain eulogized Dayton as the hub of the club with Mr. Fassig as the founder. The secretary's report was read and accepted, and made part of the minutes. Messrs. Marley, Mehnert and Thornburg, of the technical committee, with Problem: "Factors Affecting Drier Activity" reported progress to date.

Mr. Swain advocated the use of member badges. Sample badges shown by Mr. Lempke cost $19.50 per hundred and featured celluloid windows to identify wearer. Moved to appoint committee to purchase badges for club. Carried unanimously. Treasurer's report accepted with a balance of $137.87 to date.

Mr. Haniewich, chairman of program committee, introduced D. H. Dawson, of the Krebs Pigment Company who spoke on "Fade Resistance of TiO_2 and Their Use in Enamels." His talk was accompanied by slides. Previously free chalking of TiO_2 was supposed to be inherent; in the last three years numerous changes in manufacture of TiO_2 has led to improved finishes. No generic terms are applicable but code numbers and tradenames are used.

"LG" shows delay with final degree of fading as bad as any other type of pigment. Chalking scales shown by black velvet with definite degree of pressure in degrees as slight, considerably bad, very bad, and extreme. Fading shown by exposure panels being visual. Chalking and fading are not necessarily synchrous. With chalking the factor of adherence must be taken into account for correct analysis:

1. Time at which chalking starts.
2. Rate of chalking.
3. Degree of final failure after long time exposure.

"O" type is used in outside house paints to overcome change in color due to chalking. Where polishing of films is indicated the "O" type is not preferable. "LG" is best for enamels except for white. Chart shown giving properties of various types in relation to each other. Also, chalking rates with gloss retention values. With 15 percent urea and 85 percent alkyd "LG" showed best in automotive finishes. Curve shows:—

Sixty percent Titanium dioxide.

Twenty percent Antimony Oxide.

Twenty percent Zinc—worse.

YCR—Four months.

O—Dulls off at sixteen months.

LG—Holds original gloss four months, does not show appreciable. Loss at one year.

"LG" could be restored to original gloss with polishing; antimony next in value. No satisfactory explanation for chalking of TiO_2 other than ultra violet rays get through to destroy binder. Alone "LG" absorbs up to 90 percent ultra radiation. Tinting agents and supporting pigments in various types and amounts including zinc, gave little difference when hiding values were held constant. Tests definitely showed that incorporation of 50 to 70 percent anitmony oxide with "YCR" did not give equal to the "O" or "LG." In some instances cracking failure developed. Where bodying action is desirable the use of barium vase is recommended. A new pigment, No. 51, shows intermediate between "YCR" and "O." Mr. Dawson summarized with full description.

Q. Can titanium dioxide be used successfully to prevent dirt collection in house paints?

A. Dirt collection is in direct proportion to chalking. Best appearing in white house paints made with FF or YCR with high amounts used.

Q. Varying range in house paints?

A. 28.5 percent best pigment volume as applied.

A. To cut fading, lowered amounts of titanium dioxide even with lowered pigment volume ratio gave bad to worse effect.

Baltimore Paint & Color Works, Inc., has completed installation of six pigment grinding mills.

Chicago Clubs See South American Film

At a joint meeting of the Chicago Paint and Varnish Production Club and the Chicago Paint, Varnish and Lacquer Association held in the Fred Harvey restaurant in the Union Station February 3 Charles O'Connor, of the Reichhold Chemical Company, gave an interesting lecture and showed his colored movies, "Wings Over South America."

Military Camouflage Being Studied at Pratt Institute

A course in military tactical camouflage started last week in the Art School of Pratt Institute, Brooklyn, under the direction of James C. Boudreau, director of the school. Four hundred and fifty students have selected the course. Of this number 150 will be selected on the basis of their availability in the draft to attend lectures, and fifty of these will be picked for laboratory research work.

Compare Your 1941 House Paint With These 12 National Brands

AVERAGE ZINC OXIDE CONTENT

Select the Right ZINC PIGMENT

ZINC OXIDE PIGMENTS
HORSE HEAD BRANDS
LEADED BRANDS
FLORENCE BRANDS
KADOX BRANDS
PHARMACEUTICAL
AGRICULTURAL

ZINC SULFIDE PIGMENTS
CRYPTONE ZS — ZINC SULFIDE—TECHNICALLY PURE
CRYPTONE BA — ZINC SULFIDE—BARIUM PIGMENT
CRYPTONE BT — ZINC SULFIDE—TITANIUM—BARIUM PIGMENT
CRYPTONE CB — ZINC SULFIDE—CALCIUM PIGMENT
CRYPTONE MS — ZINC SULFIDE—MAGNESIUM PIGMENT

LITHOPONE
ALBALITH

METALLIC ZINC POWDER
STANDARD ZINC DUST

New Jersey Zinc

Examine all types of house paint formulations, but pay particular attention to what your industry at large is doing. Ask yourself why 12 of the largest selling, nationally advertised brands of white outside paints have an average zinc oxide content of 28.4% — why the trend is to even higher percentages.

If you are using this average amount of zinc oxide, you can supply most of the answers yourself. Of course, keeping zinc oxide content up improves the durability of *any* house paint.

But even experienced formulators are apt to lose sight of the fact that *only* zinc oxide in adequate percentages offers *all four* of these advantages: (1) a smoother, firmer film, (2) greatest protection against destructive ultra-violet rays, (3) a detergent effect that sheds chalk and dirt, keeping house paints clean and white, and (4) mildew inhibition.

That's the kind of performance that will sell paint for you in 1941. Examine our "most *complete* line of zinc oxides." You'll be sure to find one that meets your exact requirements.

THE NEW JERSEY ZINC COMPANY 160 FRONT STREET NEW YORK, N.Y.

Scientific and Professional Services

Alexander, Jerome
Consulting Chemist and Chemical Engineer
Especial experience in colloid chemistry and its applications. Representation for Patents, Processes, Products and Apparatus. Research Advice, Investigations, Expert Testimony.
50 East 41st Street New York City
Member:—Association of Consulting Chemists and Chemical Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.
Organized to advance the science and practice of consulting chemistry and chemical engineering.
The membership, located from coast to coast, includes highly qualified specialists from all branches of the profession.
For Expert Consultants Address the Association—50 E. 41st ST., NEW YORK, N.Y.
Room 82

Philip B. Hawk, Ph.D., Pres. Bernard L. Oser, Ph.D., Dir
FOOD RESEARCH LABORATORIES, INC.
48-14—33rd Street, Long Island City, N. Y.
Research — Consultation — Testimony
FOODS — DRUGS — COSMETICS
SPECIALIST IN VITAMINS
Members Association of Consulting Chemists and Chemical Engineers
Write for "Science at Your Service"

Charles H. LaWall—1871-1937 Joseph W. E. Harrisson
LaWALL and HARRISSON
Pharmaceutical and Chemical Research. Biological Assays. Pharmacological Studies in association with Clinical Tests. Routine Drug and Food Control.
214 So. 12th Street Philadelphia, Pa.

PROTECT YOUR IDEAS BY **PATENTS**
Call or Send me a Sketch or Simple Model
WHAT IS YOUR INVENTION?
Z. H. Polachek 233A BROADWAY NEW YORK **PATENT ATTORNEY** PATENT ENGINEER CONFIDENTIAL ADVICE
REGISTER YOUR **TRADE MARKS**
U. S. Pat. Off. records searched
ANY Invention or Trade Mark
FREE CONSULTATION LITERATURE
Phone Algonquin 5-3088

Est. 1865
W. S. PURDY COMPANY, Inc.
TESTING AND CONSULTING LABORATORIES
PETROLEUM FUELS ASPHALTS COAL
WAXES GREASES FATS COSMETICS
PAINTS SOAPS TEXTILES
128 Water Street, New York HAnover 2-377

SADTLER, SAMUEL P. & SON, Inc.
RESEARCH AND ANALYTICAL CHEMISTS
Special Laboratory Equipment for your work.
110 South 13th Street Philadelphia, Pa.
"Nothing Pays Like Research"

Chemical Engineers—
Representation on this page would result in inquiries and business. We have a special rate for professional cards. May we quote it to you?
Oil, Paint and Drug Reporter 59 John Street, New York, N. Y.

Bureau of Chemistry
New York Produce Exchange
H. P. Trevithick, Ph.B., B.S.
2 Broadway New York
Cottonseed Oil, Oils, Greases, Soaps, Turpentine, Glycerine, Cattle Feeds, Spices, Chemicals, etc.
Consultation—Research

COLLAPSIBLE TUBE FILLING
PRIVATE BRANDS
SHAVING CREAM
DENTAL CREAM, TABLETS
LUBRICANTS, OINTMENTS, ETC.
Full Manufacturing Facilities
DAY CHEMICAL COMPANY
70-72 Marshall St., Newark, N.J.

W. H. DICKHART
CONSULTING & ANALYTICAL CHEMIST
OILS, FATS, FOODS, DRUGS
Official Chemist for the New York Mercantile Exchange and Olive Oil Assn. of America
6 HARRISON ST., N. Y.
Phone WAlker 5-3248

J. Ehrlich, Ph.D.
CONSULTING CHEMIST
153 South Doheny Drive
Beverly Hills, California
ORGANIC SYNTHESES
Fellow of the American Institute of Chemists

Ellis-Foster Company
Established 1907
Research and Consulting Chemists
Specializing in Synthetic Resins and their Plastics and Related Subjects.
4 Cherry Street Montclair, N. J.
Telephone—Montclair 2-3510

ANTI-KNOCK VALUE DETERMINATIONS
The Gray Industrial Laboratories
Chemists and Engineers
Specialists on Petroleum Products
961-973 Frelinghuysen Ave., Newark, N. J.
Telephone: Bigelow 3-4030

Horace J. Hallowell
Consulting Chemist
Analyses and reports made in all branches of industrial chemistry—soils, minerals, iron, alloys, fuels, beverages, drugs, pharmaceuticals, cosmetics, etc.
Investigations and research. Formulas developed.
323 Main Street Danbury, Conn.

DRAWBACK SPECIALISTS
Refunds of duty on materials used in exported products.
C. J. Holz & Co., Inc.
8-10 Bridge Street New York, N. Y.
Phone BOwling Green 9-6141

INDUSTRIAL CONSULTING LABS.
Inc.
Analytical and Consulting Chemists
PAINTS, VARNISHES, ENAMELS AND ALLIED PRODUCTS
128 Water Street HAnover 2-1099

Knight, B. H.
Analytical and Consulting Chemist
88 East 41st Street
OFFICIAL ANALYST
U. S. Shellac Importers Assoc. Am. Bleached Shellac Mfrs. Assoc.

Laning Company, E. M.
Specializing in Perfumes, Toilet Preparations, Pharmaceuticals and Flavors. Formulas perfected. Problems solved. Labels and Circular Matter revised to comply with the new Food, Drug and Cosmetic Act.
433 Stuyvesant Ave., Irvington, N. J. Phone ES. 2-8433
E. M. Laning, B. Sc., Manager.

Molnar Laboratories
Chemists and Bacteriologists
Reliable hormone and pharmaceutical assay and research.
Nicholas M. Molnar, M.S., F.A.I.C., Member Assn. Consulting Chemists
211 East 19th St. New York, N. Y. GRamercy 5-1030

Munch, James C., Ph.D.
Consultant and Laboratory Service
Bioassays: Official and New Methods
New and Old drugs studied.
Literature.
Toxicology.
Pharmacology.
Clinical effects.
6816 Market Street, Upper Darby, Pa.

If Your Professional Card
were here others would be reading it now
Send for rates.
Oil, Paint and Drug Reporter
59 John Street, New York

Orthmann Laboratories, Inc.
AUG. C. ORTHMANN, Director
Specialists in Leather and Allied Industries.
Consulting, Analytical and Research
647 W. Virginia Street, Milwaukee, Wis.

John E. Raisch & Co.
OFFICIAL and LICENSED WEIGHERS, SAMPLERS and INSPECTORS. CARGO SUPERVISORS and CONTROLLERS.
Licensed by N. Y. Cotton, N. Y. Cocoa, N. Y. Coffee and Sugar, Commodity and N. Y. Produce Exchanges
15 Moore Street New York, N. Y.
Tel. BO. 9—4068-4069

Leather - Tanning Materials - Furs
SAMPLING, ANALYSES, RESEARCH, CONSULTATION FOR LEATHER, FUR AND ALLIED TRADES
THE REED-BLAIR LABORATORIES
143-146 West 20th Street New York
Tel. Chelsea 2-3520—21

Schwarz Laboratories, Inc.
Analysts — Biologists — Consultants
BEVERAGES, EDIBLE OILS, ESSENTIAL OILS, FOODS, WATER
282 East 44th Street New York, N. Y.
MUrray Hill 2-0087

Seil, Putt & Rusby, Inc.
H. A. Seil, Ph. D., Earl B. Putt, Ph. G., B. Sc.
SPR
Analytical and Consulting Chemists
Drugs, Spices, Essential Oils, Flavoring Extracts, Foods, Beverages.
Phone MUrray Hill 2-8368.
16 East 34th St. New York City

Foster D. Snell, Inc.
Our staff of chemists, engineers and bacteriologists with laboratories for analysis, research, physical testing and bacteriology are prepared to render you Every Form of Chemical Service
393 Washington Street Brooklyn, N. Y.

Stillman & Van Siclen, Inc.
Chemical and Testing Engineers
Tests, Inspection and Supervision of Benzol, Toluol, Xylol, Tars, Pitches, Asphalts, Road Oils and all other Coal Tar and Petroleum Products.
Telephone: LOngacre 5-5260-5261
284 W. 31st Street New York, N. Y.

Stillwell & Gladding Established 1868
Analytical and Consulting Chemists
Oils, Soaps, Fats, Paints, Varnishes, Drugs, Gums, Foods, Glycerin, Turpentine, Waxes, Spices, etc.
Member Association Consulting Chemists and Chemical Engineers
130 Cedar Street New York

Roger W. Truesdail, Ph.D — President
C. E. P. Jeffreys, Ph.D — Director of Research
TRUESDAIL LABORATORIES INC.
Chemists and Bacteriologists
Authentic VITAMIN and PHARMACEUTICAL Assays and Research
520 W. Ave. 26 Los Angeles

Weiss and Downs, Inc.
CONSULTING ENGINEERS
Synthetic Phenol-Benzol, Toluol and other Coal Tar Products
50 East 41st Street, New York, N. Y.

Wiley & Co., Inc.
Analytical and Consulting Chemists
Specializing in analysis of beverages, fertilizers, phosphates, wood pulp, coal and coke, feeding materials, etc
Calvert and Read Streets, Baltimore, Md.

New Solvents in Chemical Progress

—Continued from page 3

acetone not reported in the sales figure.

Acetic Acid

Acetic acid should be mentioned at this time. During the period under discussion the use for acetic acid in this country expanded tremendously: first for the manufacture of esters, such as amyl, butyl, and ethyl acetates, and secondly for the production of cellulose acetate, where it is used both as the acid and the anhydride.

Needless to say, the wood-distillation industry could not have supplied the acetic acid necessary for this expansion in volume, and it was necessary again to resort to organic synthesis. The first synthetic acetic acid in this country was made from acetylene by hydrating it to acetaldehyde and in turn oxidizing this to the acid. Production from ethyl alcohol is now being carried on in several large plants. The only difference between the acetylene and ethyl alcohol processes lies in the first step. Ethyl alcohol is oxidized or dehydrogenated to acetaldehyde, which is further treated in the same manner as is the aldehyde derived from acetylene.

About 120,000,000 pounds of acetic acid (100 percent basis) were produced last year in this country, a portion being made by the distillation of wood. While at one time acetic acid was obtained by neutralizing wood-distillation liquors with lime and treating the resulting calcium acetate with sulphuric acid, solvent extraction processes have replaced this method. All acetic acid made from wood today is extracted from the liquor by such solvents as esters, ether, or wood oil .

Methanol

The recital so far has shown that the wood-distillation industry was adversely affected by the advent of acetone and acetic acid made synthetically. However, in the early twenties the only other important product of this industry, with the exception of wood charcoal, felt the brunt of synthetic competition. A process for producing methanol, or wood alcohol, was developed in Germany. This involved the reaction between carbon monoxide and hydrogen at elevated temperature and pressure in the presence of a catalyst. The process was first used in this country about 1925 and resulted in a rapid lowering of the price of methanol and its derivative, formaldehyde. The lowered price for formaldehye had a stimulating effect on the growth of the phenol-formaldehyde plastic industry and the use of resins of this type in finishing materials.

Methanol is now highly regarded as an antifreeze material for use in automobiles and has supplanted denatured ethyl alcohol to a considerable extent. The annual production of methanol now amounts to about 36,000,000 gallons, and in 1939 134,000,000 pounds of formalin, which contains 40 percent by volume of formaldehyde, were produced from it.

(To be continued)

Resin Booklet Available

A new booklet entitled "Hercolyn and Abalyn, Liquid Resins of Abietic Acid," has just been issued by Hercules Powder Company, Wilmington. In addition to their high refractive index, approximating that of nitrocellulose, the new liquid resins are compatible with almost all of the film-formers, solvents for or compatible with most of the resins, possess very low vapor pressure, are extremely resistant to water, alkalis, weak acids and similar reagents, and can be used as major replacements for both plasticizer and resin without producing tackiness, the booklet says. Copies of the booklet may be obtained from the company by mentioning the REPORTER.

Metallic Soap Data Issued

M. W. Parsons, imports and Plymouth Organic Laboratories, Inc., has issued two new sections in its bulletin series presenting technical information concerning metallic soaps. One of the sections just released describes the action of metallic soaps in typical flat wall paint. The other new section presents the analyses of "Plymouth" brand metallic soaps. Copies of the new sections may be secured by addressing M. W. Parsons, imports and Plymouth Laboratories, Inc., 59 Beekman street, New York, mentioning the REPORTER.

Washington Paint Salesmen's Club has elected the following officers:—President, Herbert F. McCall; vice-president, C. A. Burdick; secretary, T. R. Jones, and treasurer, J. R. Stewart.

Oils, Fats, and Waxes

Cottonseed Oil Futures Irregular Within Narrow Range—January Consumption Larger Than Expected—Copra Easier—Coconut Oil Firm Though Quiet—Trade Generally Slow

Business in the general list of vegetable, animal and fish oils, fats and greases remained quiet last week. There was nothing stimulating in the action of cottonseed oil, and buyers of other oils and fats were disposed to limit their purchases to small lots pending further developments especially as the news from abroad regarding the war was in some respects unfavorable. Uncertainty concerning tax and other legislation at home also had a tendency to discourage purchases in advance of immediate requirements. On the other hand offerings of many domestic and imported products were light and the prevailing tone was steady. There were few changes in quotations. The monthly cottonseed report from the Census Bureau showed a larger consumption of refined oil during January than had been expected but the figures failed to stimulate speculative interest in the market here.

Vegetable Oils

Castor, Dehydrated.—Selling schedules maintained at previous levels. Tone firm. Steady contract movement. New business good.

Chinawood.—Domestic situation still featured by firm tone. Offerings light, spot and shipment. Primary conditions firm. Local inquiry fairly active.

Coconut.—Crude and refined quiet. Copra slightly easier. Coconut oil quotations maintained.

Corn.—Crude offerings continued light. Market quiet. Refined in fair demand and steady.

Cottonseed.—Prices stationary. Tone firm. Demand somewhat better.

Oiticica.—Offerings continued light. Fair inquiry. Market firm.

Olive.—Offerings continued small. Quotations generally nominal. Steady inquiry. Spot supplies diminishing.

Peanut.—Steady with competing product. Fair inquiry. Offerings light.

Soybean.—Trade quieter. Consumers holding off for further developments in beans and competing oils. Market steady.

There was no trading in soybean oil futures on the New York Produce Exchange, from February 8 to February 14, inclusive. Following is a price record for the week:—

	Cents per pound in tanks		
	High.	Low.	Close.
May	...	...	5.15 bid
July	...	...	5.15 nom.

Markets at Other Centers

Chicago, Feb. 14.—Vegetable oils generally quiet.

COCONUT.—Refined, edible oil, 8c. to 8¼c. per pound, drums, car lots; and 8½c. to 8¾c., drums, less than car lots.

CORN.—Crude, low acid, 6¾c. to 7c. per pound. Refined, edible oil, 8¼c. to 8½c. per pound, drums, car lots; and 2¾c. to 9c., drums, less than car lots.

PEANUT.—Crude, South, 5⅜c. to 5½c. per pound.

SOYBEAN.—Crude, 5c. to 5¼c. per pound.

The market for soybeans on the Chicago Board of Trade was quiet. Undertone easy. Following is a soybean price record, per bushel, for the week:—

	High.	Low.	Closing Feb. 14.	Closing Feb. 7.
Cash, No. 2..	97¼	94⅝	....	....
May	96	91¼	91⅝	95¼
July	92½	87⅝	88½	91⅞

Linseed Oil

Changes in flaxseed quotations generally moderate. Linseed oil, cake and meal, quiet and steady. Receipts of flaxseed at New York were 246,960 bushels and a quantity.

Flaxseed—DULUTH, Feb. 14.—Commercial demand for daily receipts and a let-up in pressure from recent selling has helped flax to rally here and a part of the recent decline has been recovered. Stocks in store now total 337,000 bushels against 281,000 bushels a week ago and 36,000 bushels last year.

The week's closing price range was as follows:—

	Cash.	May.
Saturday	$1.76½	$1.71½
Monday	1.75	1.70
Tuesday	1.73	1.68¼
Wednesday*	...	...
Thursday	1.73	1.67
Friday	1.73½	1.67¼

* Holiday.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Price Changes

Advanced

Olive foots, ¼c. per lb.

Reduced

Copra, 1-20c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
118.6	118.6	116.2	106.6

Market news that may have developed after this report was sent to press will be found on page 4.

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	.....	.....	.....	6,242
Since Aug. 1..	6,041,039	4,372,517	4,355,722	3,957,920

MINNEAPOLIS, Feb. 14.—Cash flax tone in the past week has been strong and premiums advanced about a cent. Local crushers are competing more sharply for the better quality of flax moving and there being less than one car to a crusher on the average, from day to day, there is no lack of demand for arrivals. A few cars of very poor Southern Minnesota and South Dakota quality came in and were disposed of but as a rule crushers are not much interested in flax that tests less than 50 pounds in weight.

Demand for stored seed still is good and occasionally some is sold to the crushing trade. Out of about 5,000,000 bushels stored early in the season there is possibly 1,500,000 bushels left to dispose of and most of that quantity is in Minneapolis elevators. That in Duluth elevators is wanted for shipment over the lakes and is being held for good prices.

The week's closing price range was as follows:—

	Cash.	May.	July.
Saturday	$1.76½	$1.71½	$1.70½
Monday	1.75	1.70	1.68¼
Tuesday	1.74	1.68	1.66¾
Wednesday*	....	....	....
Thursday	1.73	1.67	1.65¾
Friday	1.73½	1.67½	1.66

* Holiday.

Crop movement in bushels follows:—

	Receipts 1941.	Receipts 1940.	Shipments 1941.	Shipments 1940.
This week	121,800	26,600	49,000	15,400
Since Sept. 1..	8,608,000	2,848,000	1,437,000	1,748,630

WINNIPEG, Feb. 14.—The week's closing flaxseed price range was as follows:—

	Cash.	May.	July.
Saturday	$1.53¼	$1.55½	$1.53⅝
Monday	1.53⅛	1.55⅝	1.53
Tuesday	1.49½	1.51⅝	1.49½
Wednesday	1.50½	1.53⅜	1.50⅝
Thursday	1.49⅝	1.51⅞	1.49½
Friday	1.50¼	1.52½	1.50⅞

BUENOS AIRES, Feb. 14.—Flaxseed, April, 70⅜c. per bushel. Exports this week 271,000 bushels, none to the United States. Total since January 1, as follows:—

To—	Bushels This year.	Bushels Last year.
United States	1,563,000	2,871,000
United Kingdom	519,000	2,652,000
Continent	4,000	3,371,000
Orders	.....	598,000
Others	160,000	51,000
Totals	2,246,000	9,443,000

Visible Supply

	Bushels.
Last week	5,312,000
Previous week	4,724,000
Last year	3,937,000

Linseed Oil.—The market here for linseed oil retained a steady tone. Changes in flaxseed quotations were unimportat and linseed oil price schedules were generally held at the levels ruling in the previous week. There was little change in the attitude of consumers many of whom were still disposed to hold off for further developments in the markets for other commodities as well as in political affairs abroad and at home. The movement from local mills on unfilled contracts held up well for this period of the year and advices from other milling centers also reported steady withdrawals on contracts. Demand for cash seed was good in Northwestern markets and the light offerings were well absorbed.

MINNEAPOLIS, Feb. 14.—Linseed oil buying is very limited at present and interest is slack. According to figures there has been a steady rise in consumption of linseed oil during the past several years and with defense measures increasing demand this season is expected to top that of past several to five years by a liberal margin. Shipping instructions still are very good and mills are operating full capacity without being able to accumulate any supplies at all.

Quotations on carload lots, f.o.b. Minneapolis, tankcars, 8.8c. per pound; cooperage car lots, 9.5c. per pound; and warehouse lots, 9.9c. per pound.

Shipments of oil in pounds were as follows:—

	1941.	1940.
This week	3,650,000	2,700,000
Since Sept. 1	79,189,000	70,720,000

Cake and Meal.—A steady tone prevailed here. Fair movement of meal. Cake dull.

MINNEAPOLIS, Feb. 14.—Meal market tone is easy and there is little volume to trade currently. Buyers are well contracted ahead and weather conditions through the Winter proved much milder than anticipated. All of the crushers made some headway in catching up with their contracts during this past week. Prices quoted at $27.50 to $28 per ton.

STEARIC ACID
Single Pressed and Double Pressed
Available in either cake or flake form
Triple Pressed
IVORY BRAND

RED OIL
(OLEIC ACID)
RUBY OLEINE
BRAND (*distilled*)
STAR BRAND
(*saponified*)
CANARY BRAND
(*very pale yellow, especially suitable for best types of dry cleaners' soaps.*)
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
220 East 42nd St., New York City
Branches and stocks in all large cities

Stearic Acid Oleic Acid Fatty Acids
(RED OIL)
A. GROSS & CO., 122 East 42nd Street, New York
ESTABLISHED 1837 FACTORY, NEWARK, N. J.

CHINA WOOD OIL
WAH CHANG TRADING CORPORATION
Woolworth Building
SPOT New York, N. Y. FUTURE

DARLING'S
STEARIC ACID RED OIL PEARL STEARIC
PITCH WHITE OLEINE GLYCERINE
DARLING & COMPANY
Manufacturers 4201 S. ASHLAND AVE. CHICAGO, ILL. Stocks in Principal Cities

THE BRODÉ CORPORATION
MEMPHIS, TENNESSEE
Domestic and Export
PRODUCTS OF COTTONSEED, PEANUTS and SOY BEANS
Members—Memphis Merchants Exchange (Futures in Cottonseed Meal) New York Produce Exchange (Futures in Cottonseed Oil)
District Representatives
JAMES LOVATELLI & CO., 2 Broadway, New York City
Codes: Yoppa, Robinsons Bentleys A B C 5th Edition Peerless

EMERY
America's largest producers of
STEARIC and OLEIC ACIDS
All Grades Saponified and Distilled
FATTY ACIDS • GLYCERINE • PITCH
SPECIAL FATTY ACID DERIVATIVES
Since 1840
EMERY INDUSTRIES, INC.
Originators of Twitchell Process
New York CINCINNATI, OHIO Lowell, Mass.
Stocks in all Principal Cities

Shipments of meal in pounds were as follows:—

	1941.	1940.
This week	8,080,000	3,720,000
Since Sept. 1	201,101,000	109,980,000

Cottonseed Oil

Local and Southern markets for cottonseed products were generally quiet. Price changes narrow.

Cottonseed Oil.—Speculative operations in the market here for refined cottonseed oil futures continued on a comparatively small scale much of the time last week, local and other traders still being disposed in not a few instances to adhere to a waiting course pending further developments in outside markets as well as in political affairs abroad and at home. Price changes were confined within comparatively small limits. There was further switching from near to distant months. March was switched to July at 19 to 20 points difference and to September at 26 to 27 points. July was switched to September at 7 points difference.

A development of interest was the publication of the monthly cottonseed report from the Census Bureau. This was received on Thursday and showed that consumption of refined oil during January was larger than many had expected, the figures being 385,739 barrels. This compared with 276,102 barrels in December and 267,306 barrels in January last year. Southern markets for crude oil were generally quiet. Production at the mills in some sections had diminished recently and offerings were generally light. Copra was easier, but coconut oil apparently remained firm although business was reported as extremely dull. Trade in cash refined cottonseed oil and shortening was apparently rather slow The weight of the hogs received in Chicago during the week ended February 8 averaged 245 pounds, the same as in the previous week.

Trading in bleachable prime Summer yellow cottonseed oil futures on tthe New York Produce Exchange from February 8 to February 14, inclusive, comprised 776 contracts, a total of 46,560,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	6.47	6.21	6.21 sale
May	6.56	6.30	6.31 sale
July	6.67	6.36	6.36 sale
September	6.77	6.44	6.44 sale

Crude, Southeast, .05¼c. Nom.

Chicago, Feb. 14.—Cottonseed oil fairly active. Refined, edible oil is 7¾c. to 8c. per pound, barrels, car lots; and 8½c. to 8¾c., barrels, less than car lots.

Cake and Meal.—Quotations on spot material underwent little change last week, the prevailing tone in Southern markets being steady.

Markets at Other Centers

Atlanta, Feb. 12.—Breaking land for cotton retarded by unfavorable weather. Southeastern mills quoting 8 percent meal at $26.50 to $27 per ton. Oil mills in the peanut belt of Georgia and Alabama are quoting 8.75 percent peanut meal at $20.50 a ton at mills. Prime crude cottonseed oil, 5.25c. per pound.

Memphis, Feb. 14.—January cottonseed oil consumption amounting to 383,738 barrels was considerably larger than expected by the trade, but seems to have had very little market effect because of weakness in securities. Crude cottonseed oil 5¼c. per pound, Valley basis. Meal, 41 percent, $24 to $24.50 per ton, Memphis basis. Slab cake $21.75 per ton, Valley basis. Shipments of meal and cake during January somewhat less than expected but market remained steady, recent decline in prices probably having discounted government report. Bulk cottonseed hulls $5 to $5.50 per ton. Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	Feb. 6.	Feb. 13.
March	$24.45@——	$23.75@——
May	25.00@25.15	23.60@——
July	24.50@25.00	23.35@23.70
September	23.75@24.25	22.50@22.80
October	23.50@24.25	22.25@22.60

Closing soybean meal futures:—

March	$22.50@23.00	$21.75@22.00
May	22.50@23.15	21.75@22.00
July	22.55@23.00	21.55@21.80
October	21.75@22.50	21.10@21.35

Fatty Acids

Capric Acid.—Fair movement of moderate lots to local and other consumers.

Castor Oil.—Market firm. Consumers adhering to a conservative course in making purchases.

Coconut Oil.—Inquiries received in somewhat larger volume owing to firmness of raw material.

Cottonseed Oil.—Prices underwent little change. Consumers in market for moderate lots.

Lauric Acid.—Consumers purchasing for current needs only.

Palm Oil.—Trade remained quiet. Market steady with raw material.

Red Oil.—Steady contract withdrawals. New business more active.

Soybean Oil.—Trade quieter owing to recent weakness in basic material. Quotations maintained.

Stearic Acid.—Buying generally of conservative character. Contract movement steady.

Chicago—Feb. 14

Fatty acids are quiet but firm.

RED OIL.—Distilled or saponified, tanks, 6¾c. per pound.

STEARIC ACID.—Distilled, single press, 9½c. to 10½c. per pound; double press, 10c. to 11c.; triple press, 12¾c. to 13¾c.

OTHER FATTY ACIDS.—Corn oil, double distilled, 8¼c. to 8½c. per pound, tankcar; coconut oil, acidulated, 9¼c. to 9½c. per pound, tankcar; cottonseed oil, double distilled, 7c. to 7¼c. per pound, tankcar; settled cottonseed soap stock, 60-62 percent basis, 2½c. to 2¾c.; boiled down soap stock, 65 percent basis, 3½c. to 3¾c.; cottonseed foots, 50 percent basis, 1¾c. to 1½c.

Fish Oils

Menhaden.—Consumers of refined oil purchasing for current needs only. Market firm.

Sardine.—Refined oil quotations are maintained at recently advanced levels. Trade quiet. Crude firm.

Sperm.—Fair movement of moderate lots. Prices maintained. Tone firm.

Whale.—Demand for refined oil apparently limited to small lots for prompt shipment.

Markets at Other Centers

Baltimore, Feb. 12.—Crude menhaden oil dull. Believed small lots obtainable at 35c. per gallon, the basis of last previous sales. Some North Carolina vessels still fishing, but results are very poor.

Fats and Greases

Grease.—Spot supplies reported light or moderate. Fair inquiry. Tone steady.

CHICAGO, Feb. 14.—Choice white grease, 4⅝c. per pound; yellow, 4¼c. to 4⅜c.

Lard.—Domestic demand fair. Export movement light. Price changes moderate.

CHICAGO, Feb. 14.—Following is a lard price record, per 100 pounds, for the week:—

	High.	Low.	Closing— Feb. 14.	Feb. 7.
Cash	$6.42	$6.12	$6.15	$6.32
May	6.67	6.32	6.32	6.57
July	6.82	6.47	6.47	6.75

Stearin.—Local inquiry slow. Offerings light. Tone steady.

CHICAGO, Feb. 14.—Prime oleo stearin, 6c. to 6¼c. per pound; lard stearin, 6¾c. to 7c.

Tallow.—Inquiries noted for small lots. Large buyers holding off. Offerings light.

CHICAGO, Feb. 14.—Inedible tallow, prime, 4¾c. to 5c.; special, 4⅞c. to 4½c.

There was no trading in tallow futures on the New York Produce Exchange from February 8 to February 14, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
May	...	...	5.25@5.35
July	...	...	5.35@5.50

Animal Oils

Lard.—Fair request for comparatively small quantities. Prices maintained. Tone steady.

CHICAGO, Feb. 14.—No. 1 lard oil, 7¾c. to 8c. per pound.

Neatsfoot.—Consumers purchasing for current needs only. Export inquiry light.

Oleo.—Increased request from local and other consumers reported in some quarters.

CHICAGO, Feb. 14.—Extra oleo oil, 7c. to 7¼c. per pound.

Tallow.—Prices unchanged. Tone steady. Trade quiet.

CHICAGO, Feb. 14.—Acidless tallow oil, 7¼c. to 7½c. per pound.

Waxes

Bayberry.—Quiet but quite steady. Prices hold in line with replacement cost.

Bees.—White, bleached wax firm at late advances. Undertone tending stronger. Crude very firm. Demand well supported. Imports of crude wax December, 1940, by countries of origin were:—

	Pounds.
Portugal	11,326
Guatemala	1,488
Mexico	8,146
Cuba	67,895
Dominican Republic	47,432
Haiti	2,679
Argentina	4,477
Brazil	75,472
Chile	37,496
Iran	4,008
Belgian Congo	6,690
Other Portuguese Africa	46,954
Total	317,163

Carnauba.—Still showing occasional signs of unsettlement. Reported that Brazilian banks are pressing shippers to liquidate some wax stocks. December, 1940, imports totaled 2,033,265 pounds, valued at $1,084,881. No pressing demand locally last week.

Japan.—December, 1940, importations totaled 385,921 pounds. Spot market quiet. Prices still slightly unsteady.

Coconut Products Trade Shows Improvement

The market for coconut products improved materially during December owing primarily to a sudden and rather large demand for shipments of copra to Japan, China and Vladivostok at very favorable prices, according to the foodstuffs division of the Department of Agriculture.

The American market was stimulated by reports of substantial shipments of coconut oil to Vladivostok from the Pacific Coast of the United States. At the beginning of December copra was quoted at 3.15 pesos per 100 kilos, delivered to warehouses in Manila. Subsequently the market advanced gradually and at the close of the month buyers were offering 3.60 pesos, with 4 pesos possible for substantial lots.

Exports of coconut oil from Manila during December fell to a new low for the year. An important feature of the month's trade was the shipment of some 100 tons to China and Japan, and 132 tons to South Africa. Total coconut oil shipments from Manila during 1940 gained 11,295 tons, or nearly 7 percent over 1939. This is a very creditable showing in view of the unfavorable conditions prevailing during most of the year.

YOUR INQUIRIES SOLICITED FOR THESE MATERIALS

FATTY ACIDS
(ANIMAL AND VEGETABLE ORIGIN)
STEARIC ACID
RED OIL
(OLEIC ACID)

WILSON & CO INC.
WILSON-MARTIN DIV.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Rheem
REGISTERED TRADE MARK

Manufacturers of "Oil Type" and full removable cover "QUICK LOX" steel shipping drums *Protect-O-Lined* for safe and inexpensive shipping of—

Sulphonated Oils
and similar products

Write, wire or phone to us today for prices, samples or any other information which you require.

RHEEM MANUFACTURING CO.
EASTERN DIVISION
NEWARK, N. J.
105 Avenue L
Mitchell 2-8465
HOUSTON, TEXAS
1401 Lockwood Drive
Preston 3131
CHICAGO, ILL.
3425 So. Kedzie Avenue
Lafayette 1435
NEW ORLEANS, LA.
1115 So. Liberty Street
Raymond 7301

SUN BLEACHED
Beehive Brand BEESWAX
• Finest Quality
• Guaranteed Pure
WILL & BAUMER CANDLE CO., INC.
Dept. E 2 Syracuse, N. Y.
Established 1855
Spermaceti Red Oil Glycerine
Ceresine Stearic Acid
WARRANTED PURE BEES WAX

Oils and Fats Foreign Trade: 1940

Imports of oilseeds were slightly higher in 1940 than in 1939, according to figures compiled from data released by the Bureau of Census. The following compiled tables indicate the foreign trade in oils, fats and oil-bearing materials in 1940 and 1939, and also show the amounts of raw materials used in the manufacture of oils in this country in 1940 and stocks on hand at the end of the year.

Oilseeds Imported

	Tons	
	1940.	1939.
Babassu nuts	49,136	58,915
Castor beans	118,804	81,304
Copra	307,684	215,026
Flaxseed	341,112	448,786
Palmkernels	15,227	5,059
Sesame seed	7,298	6,120
Other oilseeds	6,760	12,269
Totals	835,909	825,424

Raw Materials Used in the Manufacture of Oils

	Tons	
	Consumed 1940.	On hand Dec. 31, 1940.
Babassu nuts	47,794	720
Castor beans	110,059	10,634
Copra	276,294	34,797
Corn germs	242,956	442
Cottonseed	3,925,791	1,275,700
Flaxseed	883,512	198,145
Soybeans	1,730,916	382,757

Fats and Oils Imported

	Pounds	
	1940.	1939.
Animal oils and fats, ed.	2,270,005	3,854,966
Carnauba wax	16,925,931	16,358,508
Chinawood oil	97,048,595	78,717,634
Coconut oil	370,682,720	336,795,877
Cod oil	3,903,030	16,214,550
Codliver oil	15,857,939	50,027,055
Corn oil	426,049	13,964,861
Cottonseed oil, ref.	12,030,600	28,739,425
Fatty acids, veg.	4,520,636	604,911
Glycerin crude	9,066,283	10,987,731
Glycerin ref.	298,168	339,078
Linseed oil	10,657	48,670
Oiticica oil	18,866,689	15,536,725
Olive oil ed.	50,006,417	62,866,228
Sulphured	24,479,898	28,180,324
Other ined.	5,133,843	11,303,888
Palm oil	225,037,696	286,416,373
Peanut oil	3,119,088	3,779,415
Perilla oil	11,347,470	51,284,120
Rapeseed oil	12,918,930	8,971,815
Sesame oil	63,144	3,480,688
Soybean oil	4,848,670	4,125,526
Stearic acid	560,996	1,277,662
Sunflower seed oil	216	
Tallow, ined.	1,368,496	1,496,474
Teaseed oil	3,686,872	5,384,051
Vegetable tallow	282,744	2,562,999
Whale oil	22,258,200	20,288,715
Wool grease	2,877,502	4,177,707

Foreign Fats and Oils Exports

	Pounds	
	1940.	1939.
Chinawood oil	4,480,976	5,911,261
Coconut oil	12,649,718	9,502,726
Fish oil	1,519,748	684,504
Olive oil, edible	1,223,481	436,581
Palm, palmkernel oil	28,813,548	13,870,721
Peanut oil	2,391,009	815,237
Perilla oil	3,051,117	6,295,889
Vegetable tallow, wax	3,498,147	2,537,696

Domestic Fats and Oils Exports

	Pounds	
	1940.	1939.
Coconut oil, crude	24,402,191	15,263,355
Refined	15,159,654	*
Corn oil	205,584	179,548
Cottonseed oil, crude	1,588,606	3,879,739
Refined	12,589,602	9,081,520
Fish oils	4,148,951	2,278,633
Grease stearin	1,560,089	544,346
Glycerin	12,378,489	7,398,681
Lard	201,315,841	277,271,534
Linseed oil	4,769,632	2,566,060
Neatsfoot oil	437,938	615,072
Oleo oil	1,333,914	5,466,157
Oleo stearin	89,196	153,317
Oleo stock	1,636,854	4,893,565
Peanut oil	2,852,425	*
Red oil	2,014,276	1,123,868
Soybean oil	15,953,901	12,116,936
Stearic acid	3,296,347	1,252,002
Tallow, edible	122,285	275,999
Inedible	2,009,639	*
Vegetable soap stock	9,117,282	11,471,943

* Not available.

Linseed Statistics Released

Consumption of linseed oil in the United States during the final quarter of 1940 was 12.88 percent larger than in the similar 1939 period, according to data released by the Flax Institute. A compilation of the figures reported follows:—

	Last Quarter. Gallons.
Stocks, September 30	15,351,331
Production, Oct., Nov., Dec.	25,624,667
Imports, Oct., Nov., Dec.	1,155
Total	40,977,153
Less stocks December 31	20,509,334
Consumption Oct., Nov., Dec.	20,467,819
Exports	181,167
	1940.
12 months consumption (gallons)	79,331,765
(Bushels)	31,732,706
Flaxseed crushed in U. S. A. (bushels)	31,554,000
U.S.A. crop (acres)	3,228,000
Production (bushels)	31,127,000
Less sowing supply (bushels)	1,500,000
For consumption (bushels)	29,627,000
Flaxseed imported (bushels)	11,825,428

Non-Skid Floor Wax Study Results Reported

The United States Testing Company, released its Testing League Bulletin C-26, dealing with certified floor wax and giving the details of a study that they have made of floor waxes in general when applied to different types of floor surfaces. This bulletin covers not only the theory behind a non-skid product in the floor wax field, but it details the procedure by which their tests were run to uncover such interesting facts as relative water resistance as well as coefficient of friction. Copies of this bulletin are available from the United States Testing Company, Inc., 1415 Park avenue, Hoboken, N. J. by mentioning the REPORTER.

Cottonseed Crushings Off

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out and held from August 1 to January 31, 1941, and 1940, according to the Census Bureau, were as follows:—

Cottonseed

	Tons	
	1941.	1940.
Receipts	3,914,555	3,739,461
Crushed	2,876,981	3,061,686
On hand, Jan. 31	1,076,416	798,401

Crude Oil

	Pounds	
	1941.	1940.
Produced	917,191,673	956,943,544
Shipped	839,307,412	928,001,088
On hand, Jan. 31	176,424,748	202,273,861

Refined Oil

	Pounds	
	1941.	1940.
Produced	721,659,380	774,780,575
Shipped		
On hand, Jan. 31	484,764,224	588,640,786

Cake and Meal

	Tons	
	1941.	1940.
Produced	1,278,942	1,373,670
Shipped	1,143,085	1,276,305
On hand, Jan. 31	215,358	217,983

Hulls

	Tons	
	1941.	1940.
Produced	722,085	773,142
Shipped	546,253	699,706
On hand, Jan. 31	196,746	150,523

Linters

	Bales	
	1941.	1940.
Produced	767,220	770,313
Shipped	645,618	916,345
On hand, Jan. 31	250,942	333,284

***Exports**

	1940.	1939.
Crude oil, lbs.	268,900	3,800,391
Refined oil, lbs.	4,568,798	6,289,667
Cake and meal, tons.	660	6,074
Linters, bales	13,610	133,122

***Imports**

	1940.	1939.
Crude oil, lbs.		
Refined oil, lbs.	3,278,888	4,103,597
Cake and meal, tons	17,876	1,666
Linters, bales	74,269	32,448

* Five months ended December 31.

Soap Sales Off

Sales of all soaps in the United States amounted to 2,643,466,194 pounds, valued at $257,820,289, in 1940, based on reports received from seventy-seven manufacturers filed with the Association of American Soap and Glycerin Producers. This compared with 2,753,885,772 pounds, valued at $267,048,207, in 1939. A breakdown by quarters follows:—

	Pounds.	Value.
First Quarter—		
1940	682,165,989	$68,445,794
1939	695,195,577	$67,694,541
Second Quarter—		
1940	644,127,669	$64,656,619
1939	649,042,714	$64,048,894
Third Quarter—		
1940	688,704,125	$65,791,556
1939	803,701,549	$76,995,046
Fourth Quarter—		
1940	628,469,311	$58,926,320
1939	605,945,932	$58,354,816

Olive Oil Ass'n Sets Annual Dinner for April 3

Olive Oil Association of America will hold its "Unity Dinner" at the Hotel Astor, this city, April 3. More than 300 importers, packers and brokers will be in attendance. Tickets may be obtained from Arthur Schuman, 99 Hudson street and Clifford T. Weihman, 15 Moore street, both of this city.

H. Russell Haley has joined the Onyx Oil & Chemical Company, Jersey City, N. J.

H. E. Humphrey has been elected a vice-president of General Mills, Inc., Minneapolis. He has been treasurer.

Oleomargarin $5 annual retail tax in California would be repealed under the provisions of a bill introduced in the State Assembly.

What You Can Use

Guide to Materials That Are Suitable for Various Purposes in Chemical Converting, Compounding, and Processing Industries

Fully protected by Copyright

Three-hundred-sixty-fifth Instalment

Pest Control

Exterminants for Rodents

Aldehydecyanohydrin
Alkyl-mercuric acetate
Aluminum arsenate
Aluminum arsenite
Arsenates
Arsenic acid
Arsenic pentoxide
Arsenic trioxide
Arsenic sulphide
Arsenic trisulphide
Arsenous acid
Arsenous oxide
Barium fluosilicate
Benzene thiocyanate
Calcium arsenate
Calcium arsenite
Calcium cyanide
Calcium cyanide plus raw linseed oil
Calcium-sodium arsenite
Carbon bisulphide
Cerium arsenate
Cerium arsenite
Cerium chloride
Chloropicrin
Chromium arsenate
Chromium arsenite
Citric acid plus thiocyanogen
Copper acetoarsenite
Copper arsenate
Copper arsenical dusting compounds
Copper arsenite
Cyanides
Cyanogen chloride
Ferric arsenate
Ferric arsenite
Ferric ferrocyanide
Hydrogen cyanide with chloropicrin (to ensure warning odor)
Iron arsenate
Lead arsenate
Lead arsenite
Lead salts of phenylcyanamide
Magnesium arsenate
Magnesium arsenite
Manganese arsenate
Mercuric salicylate
Mercury bichloride
Mercury compounds
Mercury salts of phenylcyanamide
Metal salts of ligninsulphonate arsenate
Organic poisons
Paris green
Potassium arsenate
Potassium cyanide
Prussic acid
Selenium sulphide
Sodium arsenate
Sodium arsenite
Sodium cyanide
Sodium fluoride
Sodium fluosilicate
White arsenic
Zinc arsenate
Zinc arsenite
Zinc salt of phenylcyanamide

Verminicides for Animals

(Used as Dips or Dusts)

Alkali arsenites
Alkali cresylates
Alkali phenolates
Arsenic trioxide
Arsenites
Bis-(2-hydroxy-5-methylphenyl) sulphide
Bis-(4-hydroxy-3-methylphenyl) sulphide
Chlorocresol
Chlorophenol
Coaltar
Cresol
Cresolsulphonic acid
Cube root
Derris
Furfural
Lethane
Nitrocresol
Nitrophenol
Orthochlorodiphenyl
Orthodichlorobenzene
Petroleum, crude
Phenol
Phenol-sulphonic acid
Potassium arsenite
Potassium cresylate
Potassium phenolate
Pyrethrum extract
Resorcinolmonoamyl ether diethylcarbamate
Resorcinolmonobutyl ether diethylcarbamate
Resorcinolmonododecyl ether diethylcarbamate
Resorcinolmonoheptyl ether diethylcarbamate
Resorcinolmonohexyl ether diethylcarbamate
Resorcinolmonomethyl ether diethylcarbamate
Resorcinolmonononyl ether diethylcarbamate
Resorcinolmono-octyl ether diethylcarbamate
Resorcinol monopropyl ether diethylcarbamate
Rotenone
Shale oil, crude
Serrid
Serrid liquid extract
Serrid optone
Serrid rotenone
Soap
Soap, potash
Sodium cresylate
Sodium hydroxide
Tar, pine
Tetralylquinol

Petroleum

Addition Agents in Petroleum Lubricants

(Continued from February 10 issue)

Thallium dinaphthylnaphthenate
Thallium phenylacetate
Thiocarbonates
Tricresyl phosphate
Triethanolamine thiocyanate
Triethyl-lead mercaptan
Triethyl-lead thiocyanate-oleate
Triethyl-tin-diphenylbismuth compounds
Triethyl-tin oleate
Trimethyl-tin-triphenyllead compound
Triphenyl-aluminum
Triphenyl-bismuthine
Triphenyl-cadmium
Triphenyl-mercury
Triphenyl-stibine
Triphenyl-thallium
Triphenyl-tin thiosulphate
Triphenyl-zinc
Zinc dinaphthylnapthenate
Zinc phenylacetate

Viscosity Index Improvers for Petroleum Lubricants

Aluminum naphthenate
Cellulose ester or ethers
Condensation products of ethylene dichloride with benzene
Exanol
Mixed esters of cellulose
Mixed ethers of cellulose
Oil-soluble oxygen-free polymerization products of acetylene or acetylene derivatives
Oxygenated vinyl compounds
Paraton
Polymer of isebutylene with molecular weight of 30,000
Polymerization products of hydrocarbons of at least 10 carbon atoms of the type of waxy hydrocarbons and oxygenated derivative, such as alcohols, aldehydes, ketones, and esters
Polymerization products of hydrocarbons, such as paraffin and naphthalene
Polymerization products of unsaturated hydrocarbons
Polymerized vinyl ester of stearic acid
Polystyrene resins
Sodium naphthenate
Tristearylcellulose
Uniflow
Univis oils

Petroleum Asphalt

Colored Pigments for Petroleum Asphalt

Cadmium yellow
Chromium oxide
Cobalt blue
Iron oxide ore
Metallic bronzes
Ultramarine blue
Yellow ocher

Fillers for Petroleum Asphalt

Alums
Aluminum oxide
Aluminum silicate
Asbestine
Asbestos sand
Barium carbonate
Bauxite
Beet sugar residue
Blanc fixe
Boneblack
Brick dust
Cellulose wool
Calcareous sandstone
Calcium oxide
Calcium phosphate
Carbon
Chalk
Coal ashes
Clay
Coal, ground
Coaltar pitch, ground
Coconut fiber
Coke, ground
Colloidal clay
Copper slag
Cork, ground
Cornstalks
Cotton flock
Cotton linters
Emery
Flax
Floats
Foundry cores, used
Fuller's earth, spent
Glass wool
Glauber's salt
Graphite
Graphite slate
Gypsum
Hemp
Infusorial earth
Kaolin
Kieselguhr
Lampblack
Lava, ground
Leather waste, ground
Lime, slaked
Lime sludge
Lime soap
Limestone
Loam
Magnesium carbonate
Magnesium oxide

(To be continued)

Pitts. Club Discusses Infra-Red Radiant Heat

The January meeting of the Pittsburgh Paint and Varnish Production Club was attended by thirty-three members and guests.

The meeting was called to order by Vice-President M. B. Flynt, jr., in the absence of President Krebs. James K. White, chairman of the membership committee, read the five names of new applicants, who will be voted on at the February meeting, following investigation of their qualifications.

Mimeographed copies of the club's by-laws were passed out to the members to better acquaint them with its aims and membership requirements. Mr. White was instructed to answer a communication from G. B. Heckel regarding a uniform membership application blank to be used by all the clubs in the Federation.

Mr. Flynt then turned the meeting over to R. Z. Herr, chairman of the program committee, who introduced Paul H. Goodell, manager of the radiant heat division of the C. M. Hall Lamp Company, Detroit. Mr. Goodell proved to be a thoroughly adept and commanding speaker on the subject of infra-red installations for radiant heating. With the aid of slides and a modern sealed beam thermalamp, Mr. Goodell ably illustrated his address to the members.

According to Mr. Goodell, the germ of the idea of drying paint films by infra-red radiant heat is credited to Henry Ford, who some years ago sketched out the possibilities for drying motor car wheels by means of electric lamps. It is noteworthy that in development, demand has preceded invention right along, and most of the time lamp companies have had to train their personal heating engineers and paint experts to cope with the varying factors involved.

Mr. Goodell's talk dealt largely with technical improvements in infra-red radiant heating systems, with particular attention in progress in design of the banks or ovens. Although he detailed the seeming perfection to date of a sealed headlight type of 250-watt lamp, he also covered many points that were of definite interest to the members who may be called on to formulate finishes for use in this type of direct heat oven.

When Mr. Goodell had finished with his slides and charts, he was literally bombarded with questions and requests for further information on many points. One of the most pertinent had to do with a cost comparison of finishes baked in the ordinary induction type of oven and the infra-red type. Mr. Goodell admitted cost of heating per piece on large jobs to be higher using infra-red lamps, but demonstrated how infra-red "curing of finishes," as he termed it, meant shorter time cycles because of instantaneous heat made possible by the lights, directional focus of the heat and controllable heat transfer. He likewise emphasized freedom of fumes and the flexibility of infra-red light banks to cope with all shapes and sizes of coated pieces, thereby reducing to a very small percentage the number of rejects, and consequent economical operation of infra-red ovens.

J. D. Edwards, of the Aluminum Company of America, baited Mr. Goodell on his avoidance of aluminum in the construction of his ovens, and the speaker countered with the scarcity of that metal on account of defense demands, ending the evening on a humorous note to the satisfaction of all present.

. . . everybody will be there!

The 16th Annual

DRUG—CHEMICAL

and Allied Trades

BANQUET

Hotel Waldorf-Astoria

New York

MARCH 13, 1941

(Thursday Evening)

HAVE you made reservations for your group yet? Last year, the attendance exceeded 1700, representing New York, Chicago, Philadelphia, Boston, and other large cities. The Drug and Chemical Dinner represents the one annual opportunity to meet and greet all of your friends in the trade in one place at one time.

MAKE your reservations now! Take care of this today if you have not already done so, whether it be for several tables (10 persons each) or for smaller groups. Make your reservations by phone or letter now direct with

DRUG, CHEMICAL & ALLIED TRADES SECTION

New York Board of Trade

41 Park Row, New York

John C. Ostrom, Secretary

This space donated by OIL, PAINT & DRUG REPORTER

Balto. Production Club Hears Dr. J. McDonald

Baltimore, Feb. 13, 1941

The members of the Baltimore Paint and Varnish Production Club were entertained at their monthly meeting held last Friday evening in the Belvedere hotel with a talk by Dr. John M. McDonald, of the Baltimore Bureau of Occupational Diseases, on "The Occupational Diseases in the Paint Manufacturing Industry," stressing particularly the effect of lead and benzol on the health of those exposed to these substances. He presented a comprehensive picture of the causes, methods of attack, symptoms, effects to be expected and the method of preventing both types of poisoning.

The entertainment committee was invested with full authority to arrange for the annual ladies' night, and the membership committee was informed by President R. B. Shurts, of the Farboil Paint Company, who occupied the chair, that the National Federation is attempting to establish a standard form for membership application and will present its proposal soon. It appeared that the club was in receipt of a communication from the federation, in which the club's liberal interpretation of the requirements for membership was questioned, and this in turn gave rise to an animated discussion.

On motion of Dr. S. Ira Wilbur a method of procedure on the subject was adopted, under which all applications are first considered by the membership committee, which will then refer the names to the executive committee, which, in turn, after due investigation, will return the applications to the membership committee with its recommendation, and this committee is then to present the joint recommendation to the club for a vote. President Shurts appointed Roscoe H. Sawyer and Harry Feinberg as addition to the membership committee.

Northwestern Production Club Considers ZnO

The February meeting of the Northwestern Paint and Varnish Production Club was held at the Minneapolis Athletic Club Febraury 7. There were twenty-eight members and guests present for dinner. A rising vote of thanks was given the Duluth trip committee for its excellent work in planning that annual trip.

Elry Fleisher was called on as technical committee chairman to report on the progress of the club paper, and he in turn called on Morris Hanson of the committee who reported as follows:—

1. The title: "A Study of Laboratory and Practical Abrasion Tests Using Tung and Soft Oil Floor Enamels."
2. Vehicle oil compositions to be:
   a. 25 percent linseed, 75 percent C.W.O.
   b. Castor.
   c. 50 percent castor, 50 percent "Thermoil" A.
   d. Linseed.
   e. 50 percent linseed, 50 percent "Thermoil" A.
   f. 50 percent linseed, 50 percent castor.
3. All vehicles are to be 20 gallons in length.

The secretary reported that Dr. W. T. Pearce, of the Resinous Products & Chemical Company had been secured as the speaker for the April meeting, and that C. J. O'Connor of Reichhold Chemicals, Inc., will address the group in May. He suggested that Dr. L. L. Carrick of the N. D. A. C. and any students who may be interested be invited to attend Dr. Pearce's address, in as much as Dr. Pearce is a former member of the faculty of that institution. J. E. Kortum moved that the secretary be instructed to invite Dr. Carrick as suggested. It was seconded and carried.

The meeting was then turned over to the American Zinc Sales Company which was represented at the meeting by A. C. Eide, John Calbeck and Bill Reidy. Mr. Calbeck presented a very interesting paper on "Acicular Zinc Oxide."

Drugs, Fine Chemicals

Nicotinic Acid in Sharp Decline—Denaturing Grade Methanol Up—Chinese Menthol Off—Alpha Tocopherol, Vitamin E Lower—Alcohols Firmer — Demand Good

Trading in drugs and fine chemicals was maintained at healthy volume throughout the past week. Expanding activity throughout the country has raised consumption of many of these entities, mainly those having important industrial use. Furthermore, items receiving the largest demand during the Winter months continued to move in excellent volume.

Price developments during the period under review were not numerous but they came in important materials. For example, nicotinic acid underwent one of the sharpest of price declines, thus continuing the movement in buyers' favor. Within a not too long period of time, the price to buyers has been virtually halved. Again, alpha tocopherol was also reduced. Thus it will be seen that two items in the vitamin group—vitamin B complex and vitamin E have become cheaper.

Denaturing grade of natural methanol was advanced, being the first change in price over a period of years. Production costs were reported as full justification for a higher return to the producers. Chinese menthol was lowered, sure evidence that the upward pressure of primary market developments had been succeeded by an easier situation.

Acetophenetidin.—Firm and active under seasonal stimulation of call.

Acid, Boric.—Business good. Reaches expected volume. Firm.

Acid, Citric.—Steady but quiet. In ample supply. Prices stabilized.

Acid, Nicotinic. — Down sharply. Consumption rising steadily. Price, 100-pound lots, $7.15 per pound.

Acid, Tartaric.—No easing of supply or prices. Makers quote minimum of 51½c. per pound. Compares with resale goods around 62c. to 65c. Makers confine sales to regular customers. High prices paid for export lots in open market.

Adeps Lanae.—Firm. In excellent request. Fair stocks in hand.

Alcohol.—Demand pressing production steadily. Production cost tends upward. Consumption likely to keep increasing. Higher prices in second quarter should not surprise.

Aloe.—No weakness at any point. Not more than actual needs being supplied. All replacement prices firm.

Aloin.—Demand quiet. Mainly for prompt needs. Prices steady.

Alpha Tocopherol.—This vitamin E offered at $1 per gram in kilo lots; 500 grams, $1.05 per gram; 100 grams, $1.10. Down 25c.

Ammonia Chloride. — Consumption running to excellent figures. Season has encouraged rise in general sales volume. Prices firm.

Ammonia Phosphate.—Inquiries up some. Tendency toward firmer position.

Amyl Acetate.—No weakness. Excellent consumption. Firm to strong price.

Antipyrene.—Some rise in consumption. Above normal in some parts of country. Firm, well stabilized prices.

Bismuth Metal and Salts.—Fully firm. Normal movement.

Borax. — Outmovement of production up to contract expectations. Deliveries prompt. Steady market undertones. Prices seem stable.

Cadmium.—Plating industry consuming ample quantities of metal. Very firm.

Caffeine. — Very little resale material available. Mostly held in small, isolated lots. Diversion of consumer purchases to high-priced resale market watched for closely. Second-hand market around $7 to $7.50 per pound.

Calcium Gluconate.—Activity about normal. Undertones very steady.

Calcium Lactate.—U.S.P. in fair but not heavy demand. Steady prices.

Castor Oil.—Beans very firm. Hard to get ships for transport from Brazil. Demand for dehydrated excellent. Medicinal and No. 3 oil moving normally.

Price Changes

Advanced

Methanol, denaturing grade, 5c. per gal.

Reduced

Alpha tocopherol, 23c. per gram.
Menthol, Chinese, 10c. per lb.
Nicotinic acid, $1.70 per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare of follows:—

Last week.	Prev. week.	Last month.	Last year.
206.6	206.1	205.9	197.5

Market news that may have developed after this report was sent to press will be found on page 4.

CHICAGO, Feb. 12.—Castor oil prices are:—Cold pressed, U.S.P., barrels, car lots, 10⅝c. per pound; barrels, less than car lots, 11⅜c.; returnable drums, car lots, 10⅜c.; drums, less than car lots, 11⅛c.; tanks, 9⅞c.; extracted, No. 3, barrels, car lots, 10⅛c.; barrels, less than car lots, 10⅞c.; returnable drums, car lots, 9c.; drums, less than car lots, 10⅜c.; tanks, 9⅜c.

Cocoa Butter.—Very strong. Offerings small. Demand good.

Codeine.—Consumption about even was seasonal normal. Firm.

Codliver Oil.—War to stimulate domestic production. Massachusetts State government urges Bay State fishermen to build up production as much as possible. Imports during December, 1940, by countries of origin, were as follows:—

	Gallons.
Iceland	75,632
United Kingdom	6,270
Canada	10,437
Miquelon and St. Pierre	14,675
Newfoundland and Labrador	10,494
Japan	107,484
Total	224,982

Corn Syrup.—Apparently steady at late decline. Sales in good volume.

Corrosive Sublimate. — Firm. Raw material showing strength again.

Cream of Tartar. — Demand well maintained. Supplies moderate. Production cost high.

Creosote.—All forms moving in fine volume. Firm undertones.

Emetine.—Quiet and slightly easier notwithstanding recent raw material advances.

Ephedrine.—Conditions have stimulated consumption. Low prices one of influential factors.

Ether.—Industrial item in good demand. U.S.P. article in normal request. Prices entirely steady.

Formaldehyde. — Firm. Consumption tends to rise. Prices favorable.

Glycerin.—No weakness. Plenty of stability in prices. Demand good. Needs met promptly. No speculative activity. Outlook encouraging.

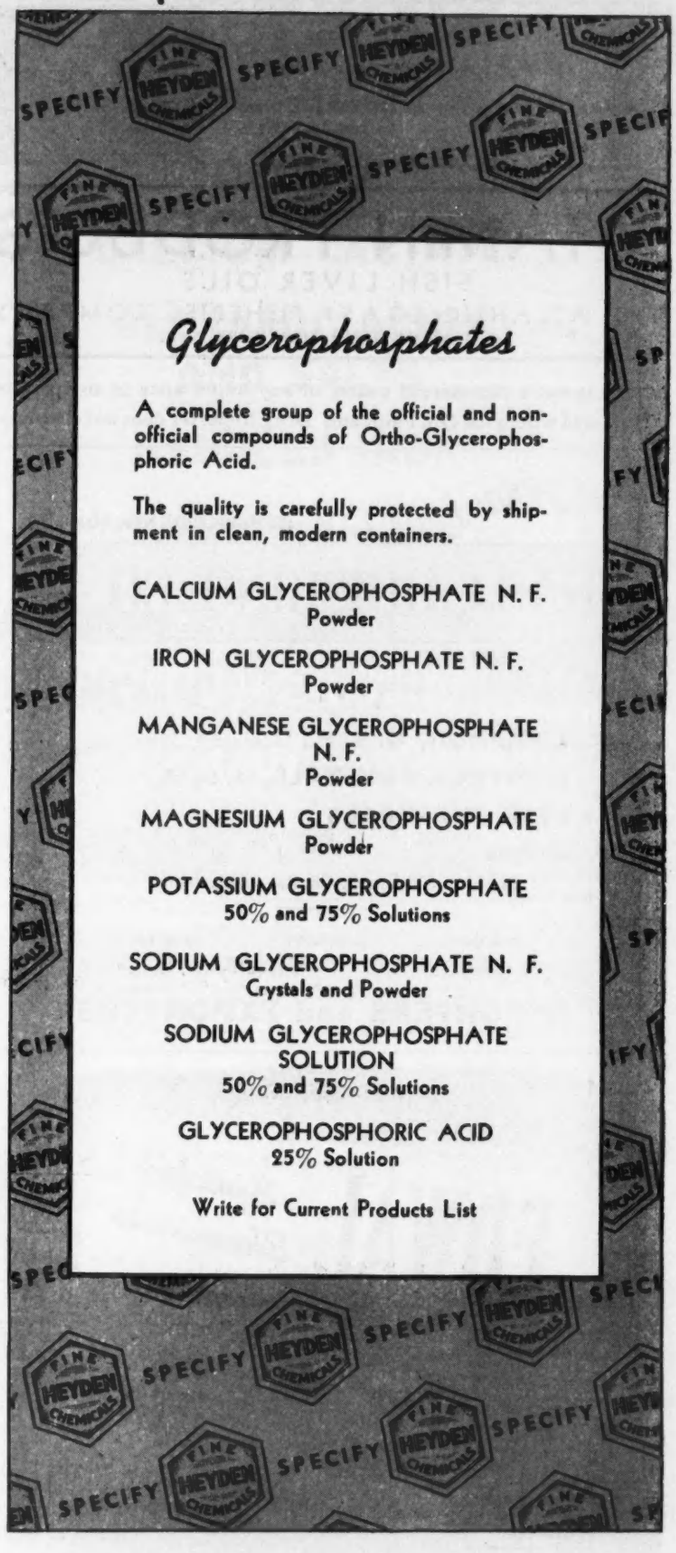
CHICAGO, Feb. 12. — Glycerin prices are:—Chemically pure, 12¼c. per pound, tanks; 12½c., drums, car lots; 13c., drums, less than car lots; high gravity,

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Amer. Drug Mfers. Ass'n, May 5-8, White Sulphur Sprs.
Proprietary Ass'n, May 12-14, New York.
Purchasing Agents Ass'n, May 26-29, Chicago.

For Fine Chemicals...



HEYDEN
Chemical Corporation
50 UNION SQUARE, NEW YORK, N. Y.
CHICAGO BRANCH: 180 N. WACKER DR.
Factories: Garfield, N. J., Fords, N. J.

PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE GLYCERINE
U.S.P.
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City

VITAMIN PRODUCTS
FISH LIVER OILS
THE ATLANTIC COAST FISHERIES COMPANY
111 JOHN STREET, NEW YORK, N. Y.

There is not a commercial center of any importance in any part of the World where the Oil, Paint and Drug Reporter does not circulate.

DRUGS, CHEMICALS
155 VARICK ST., NEW YORK, N.Y.
CHAS. L. HUISKING & CO., INC.
CHICAGO BRANCH: 561 E Illinois St.
CABLE ADDRESS: "CELAITCH"
OILS, RAW MATERIALS, etc.
CAMPHOR, U. S. P., Domestic, Japanese
MENTHOL CRYSTALS, U. S. P.
FINE CHEMICALS
GUMS
Arabic, Olibanum, Shellac, Tragacanth
Alkaloids Santonine Spermaceti
Naphthalene Cocoa Butter, U. S. P.
IMPORTERS and EXPORTERS

EDWAL Special Chemicals
1. Diacetyl-amino-azotoloI
2. Quinine bismuth iodide
3. P-acetyl-aminophenol
Without cost or obligation to you, quotations will be furnished on these and other chemicals. Write for free 16 page book on Services and Chemicals of our manufacturing division.
THE EDWAL LABORATORIES, INC.
732 FEDERAL STREET, CHICAGO, ILLINOIS

11¾c. per pound, tanks; 12c., drums, car lots; 12½c., drums, less than car lots.

Halibut Liver Oil.—Reduced supply codliver oil stimulating consumption of halibut. Selling freely at firm prices.

Hydrogen Peroxide.—Sales volume normal. Steady undertone and price.

Hyoscine. — In moderate supply. Prices firm to strong.

Hyoscyamine. — No surplus supply. Prices very firm. Fair call.

Iodine and Iodides.—Good export call for potash iodide. Licenses issued very slowly. Other iodides in normal consumer demand.

Iron-Ammonia Citrate. — Consumption normal. Steady market under full price stabilization.

Iron-Ammonia Oxalate. — Rather slow but steady market.

Iron-Potash Oxalate.—Buyers covering about as needs arise. Firm.

Iron-Soda Oxalate.—Call irregular and variable. Prices steady.

Magnesium Trisilicate.—Prices show steadier quality. Less evidence of competition.

Mannitol.—Steady at lower prices set-up in previous week. Consumption may rise under defense program requirements.

Menthol.—Chinese available at $3.90 to $4 per pound. Market undertone somewhat easier. Less upward tendency. Domestic synthetic production finds eager market.

Mercurials.—Growing firmer as raw material strengthens. Demand normal.

Methanol.—Denaturing grade higher at 45c. per gallon. All production costs rising. Demand for pure, synthetic material taking up production promptly at steady prices.

Molasses. — Blackstrap firm to stronger. Price tendency upward.

Phenobarbital. — Steady. Consumption normal. Prices hold firm.

Phenolphthalein.—Good inquiry and sales. Undertones firm to firmer.

Podophyllin. — Raw material collections may cost more this year. Derived product very steady.

Potash Guaiacolsulphonate. — Demand at seasonal best. Market steady to firm. Stocks in fair reserve.

Quicksilver.—Very firm. Not much spot metal unsold. Much of Pacific Coast production sold ahead. Heavy rains cripple mine operations.

Quinine.—Very firm. Sales at normal, seasonal volume. Japanese-Netherlands East Indies relations watched closely.

Riboflavin.—Sales volume excellent. Needs being met satisfactorily. Prices apparently steady.

Rochelle Salt.—No price advance, but very strong position continues. Production cost averaging high based on high cost raw material.

Saccharin. — Spot price, $1.45 per pound. British quotation of 98s. 4d. per pound about $19.75 per pound at present exchange. No government price control in Britain. Sold under convention regulation.

Salicin.—In moderate supply at very firm prices. Demand routine.

Santonin.—Move for import tax of $20 per pound likely to fail. Revenue measures must originate in House of Representatives. Proposed tax sought in a Senate bill. Market very firm.

Saponin. — Production from Texas raw material reported. Non-toxic product can be obtained.

Seidlitz Mixture. — Strong. Stocks moderate. Production cost high in keeping with raw material situation. Good demand.

Silver Nitrate. — The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces; small lots from 1c. to 2c. more per ounce and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London is also provided.

	Per ounce		
		Bullion	
	Nitrate. Cents.	New York. Cents.	London. Pence.
Saturday	26⅞	34¾	23⅛
Monday	26⅞	34¾	23⅛
Tuesday	26⅞	34¾	23⅛
Wednesday	*	*	23⅛
Thursday	26⅞	34¾	23⅛
Friday	26⅞	34¾	23¼

* Holiday.

ROBINSON WAGNER CO.
MANUFACTURERS OF
USP LANOLINE
PHARMACEUTICAL
COSMETIC TECHNICAL
WOOLGREASE
REFINED NEUTRALS
110 EAST 42nd STREET
NEW YORK CITY

TARTARS
NEUBERG CHEMICAL CORPORATION
441 LEXINGTON AVENUE MUrray Hill 6-1990 NEW YORK, N.Y.

TARTAR EMETIC
SUBSTITUTES
LACTIC ACID LACTATES
APEX CHEMICAL CO., Inc., 225 W. 34th Street, New York, N. Y.
Factory: Elizabethport, N. J.

NATIONAL BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE POWDERED-GRANULAR
BETA LACTOSE IMPALPABLE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK, N. Y.

THREE ELEPHANT
BORAX
AND
BORIC ACID
Purity Guaranteed Over 99.5%
The AMERICAN POTASH & CHEMICAL CORPORATION
TRONA
70 Pine Street New York
Stocks carried in principal cities in the United States and Canada
TRONA
MURIATE OF POTASH
A 95-98% Agricultural Grade
A Special Grade for Manufacturers of Industrial Chemicals

Miller-Tydings Act Attacked by Arnold

—Continued from page 5

Congress was told that the amendment would merely put aside Federal control if States wanted to authorize resale price-maintenance. Actually, he declared, these State laws gave a manufacturer and a retailer the right to coerce the retailers' competitors by fixing the resale prices of the competitors against their will. Once a contract has been made between a manufacturer and a retailer, all other retailers must refrain from selling below that price. These State laws, he stated, also control various other terms of sale, and do not simply fix prices.

Congress Misled

He quoted statements to show Congress was ignorant of the State laws, and even after these misrepresentations were made, proponents of the bill were forced to push it through as a rider to a completely different measure. And later, President Roosevelt attacked the law.

Mr. Edwards declared that resale price-maintenance has failed in both of its conflicting aims. Although represented as protecting the manufacturers' property rights, it actually places him at the mercy of the retailer. Secondly, although presented as an aid to small independent retailers against the chains, it has helped the chains. Chain stores are aided, he pointed out, by the removal of competition of low-price stores, and by their ability to cut prices on private brands although maintaining prices on national brands.

In a spirited verbal clash with Mr. Edwards, Senator Tydings later defended his bill before the committee. The senator declared the bill had not been misrepresented, and denied that the bill was pushed through against the wishes of Congress. He said the fact that forty-four States saw fit to pass such laws proved their value. Mr. Edwards did not budge, however, and held to his printed views, although he admitted that neither he or the Department of Justice had made any specific investigation of the operation of the act.

The committee then offered to include Senator Tydings's criticism in its final report. It was revealed that the criticisms recently presented by the National Association of Retail Druggists would also be published.

Trade Briefs

Biologicals output in the United States for human and animal use was reported at $21,767,222 in 1939.

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, is offering a new barbiturate—"Delvinal-Sodium"—which is said to have a safe therapeutic index as a sedative and hypnotic.

Charles P. Gulick, president and chairman of the board of National Oil Products Company, Harrison, N. J., has been named to the trustee-advisory committee of the College of Pharmacy of Rutgers University.

Packer's Tar Soap, Inc., manufacturer of soaps and shampoo preparations, will move its New York office from 101 West Thirty-first street to the Eastern Air Lines Building, Rockefeller Center, in the latter part of March.

Medical and Surgical Supply Committee of America, this city, received supplies and cash totaling nearly $10,000 during the week January 12-18. The contributions will go toward relieving suffering among the civilian wounded of Great Britain and Greece.

Bio-Chemical Industries, Inc., has been incorporated in Los Angeles county, with a capital of $300,000. Directors are:—T. N. Bradford and W. B. Bailey, both of Los Angeles; and Malcolm Sargent, of Glendale, Calif.

Wedgwood Club, a social organization composed of members of the drug and allied trades of Baltimore, at its annual meeting held on January 30 in the Lord Baltimore Hotel, elected M. J. Keppler, Frank L. Swiss and Walter H. Hollingshead as the committee which arranges for the programs and decides upon meetings.

'Indalone' Solvent Registered By U.S. Industrial Chemicals

The name "Indalone" has been registered as the trade mark of the solvent a:a-dimethyl-a'-carbobutoxy-y-dihydro-pyrone by U. S. Industrial Chemicals, Inc., this city. "Indalone," which was formerly marketed under the name "Dihydropyrone," was developed for use in liquid contact insecticides as a solvent for derris root extractives, it is declared.

The product is stated to be a potent insecticide, its high repellency toward the common winged insects making it especially suitable for cattle sprays and mosquito lotions. "Indalone" may be used in combination with another U.S.I. product, "BK-5," for formulating lotions that combine sun-screening and insect-repelling characteristics, it is also said.

STANDARD for 40 years have been tube makers extraordinary to America's most successful manufacturers using Tubes, Shells, Can Spouts and other Applicator Devices. High quality at strictly competitive prices. Tell us about your needs, no matter how small, and we will gladly submit samples, prices, suggestions. Ask for new catalog, just off the press.

STANDARD SPECIALTY & TUBE CO.
New Brighton, Pa.

STANDARD *Collapsible* **TUBES**

INDUSTRIAL AND PHARMACEUTICAL *Chemicals*

ACETANILID
CHLORBUTANOL
CALCIUM LACTATE
GLUTAMIC ACIDS AND SALTS
REDUCED IRON
THEOPHYLLINE

R. W. GREEFF & CO.
10 ROCKEFELLER PLAZA, NEW YORK CITY

R. W. Greeff & Co. Inc. RWG New York, U.S.A.

EDW. S. BURKE
J. F. HOLLYWOOD

Representing:

CARUS CHEMICAL CO., INC.

BENZOIC ACID
SODIUM BENZOATE
HYDROQUINONE
MANGANESE CARBONATE
MANGANESE DIOXIDE
MANGANESE SULFATE
POTASSIUM PERMANGANATE
RARER PERMANGANATES

BENZOL PRODUCTS CO.

AMINOACETIC ACID (Glycocoll)
AMINOPHYLLINE
BENZOCAINE
CHINIOFON (Yatren)
CHLORBUTANOL
CINCHOPHEN
CINCHOPHEN SODIUM
DEXTROSE
ETHYL GLYCOCOLL HYDROCHLORIDE
IODOXYQUINOLIN SULPHONIC ACID
NEO CINCHOPHEN
OXYQUINOLIN BENZOATE
OXYQUINOLIN SULPHATE
POTASSIUM OXYQUINOLIN SULPHATE
PHENOBARBITAL
PHENOBARBITAL CALCIUM
PHENOBARBITAL SODIUM
SODIUM DIPHENYL HYDANTOINATE
TETRA-IODO-PHENOLPHTHALEIN SODIUM
THEOPHYLLINE
BROMSTYROL
CINNAMIC ACID
DIACETYL
METHYL CINNAMATE
METHYL PHENYL ACETATE
PHENYL ACETIC ACID
BENZALDEHYDE
BENZYL ALCOHOL
BENZYL CHLORIDE
BENZYL CYANIDE
DIETHYL MALONATE
DIMETHYL UREA
DI-NITRO CRESOL
CYANOACETAMIDE
CYANO ACETIC ACID
ETHYL CYANO ACETATE
8—HYDROXYQUINOLIN
8—HYDROXYQUINOLIN—5—SULPHONIC ACID

CRANSTON CHEMICAL CO.

LIQUID BROMINE

We could serve a few additional chemical manufacturers of non-conflicting products

EDW. S. BURKE
Established 1917
132 FRONT STREET NEW YORK, N. Y.

SEMICARBAZIDE HYDROCHLORIDE
1-PHENYLSEMICARBAZIDE
CARBO CHEMICAL COMPANY, 29 Cambria St., Boston, Mass.

ALL GRADES OF **REFINED GLYCERINE**

U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE

REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.

COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY, NEW JERSEY

IMPORTED BOTANICALS

The difficulty of obtaining botanical supplies from abroad is, of course, increasing.

Despite this condition and a growing scarcity of certain botanicals, we are able to offer many items at surprisingly favorable prices.

This is only a partial listing of the Imported Botanicals which we offer for prompt shipment:

ORDERED YOUR TICKETS YET?
A good time will be had by all at the Annual Drug, Chemical and Allied Trade Section Dinner. The Place: Waldorf-Astoria Hotel. Date: March 13, 1941

ACACIA GUM	CAPSICUM	EUCALYPTUS	PSYLLIUM SEED
AGAR AGAR	CARDAMOM	FENNEL SEED	QUINCE SEED
ALOES	COLOCYNTH	FOENUGREEK SEED	RHUBARB ROOT
ARECA NUTS	COLOMBO	GINGER ROOT	ST. JOHNS BREAD
ASAFOETIDA GUM	CORIANDER	HELLEBORE ROOT	SENNAS
BENZOIN GUM	CORNSILK	HOREHOUND HERB	SOAP BARK
BUCHU LEAVES	CUBEB BERRIES	KOLA NUTS	TRAGACANTH

Samples and quotations will be submitted promptly upon request

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK, N. Y. 735 W. DIVISION ST., CHICAGO, ILL.

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drug Production Men Set Two Meetings

—Continued from page 5

by the Department last June when several tons of documents and files were subpenaed by the Federal grand jury then sitting, but no evidence was presented to the grand jury at that time, and the documents have been under study by the department ever since. The presumption is that examination of these documents has revealed sufficient information to enable department officials to question Brook, N. J., will be held in the Hotel Commodore, New York, March 7, beginning at 10:00 a.m. The program is as follows:—

"Safety," Stanley Warzala, Calco Chemical Division of American Cyanamid Company, Bound Brook, N. J.

"Sterile Solutions," Noel E. Foss, Burroughs-Wellcome & Co., Tuckahoe, N. Y.

"Production Economy," John Frosst, Charles E. Frosst & Co., Montreal, Canada.

"Costs of Standard Formulas versus Special Runs," Howard Koch, Vale Chemical Company, Allentown, Pa.

"Machines Used for Emulsions, Colloids, Suspensions," Randolph J. Owen, E. L. Patch Company, Boston.

"Personnel: Qualifications, Physical Examination, Training, etc," A. D. Penick, S. B. Penick & Company, New York.

"Compressed Tablets," John S. Silver, F. J. Stokes Machine Company, Philadelphia.

"Office Equipment: (a) For purchasing supplies, investigation, costs; (b) Computation of the size and capacity of the equipment needed," C. D. Smith, jr., Carroll Dunham Smith Pharmacal Company, Orange, N. J.

Guest Speaker: Francis Chilson; Topic: "Plant Modernization."

Soda Benzoate Laws On Use in Food Compiled

Seydel Chemical Company, 135 Halladay street, Jersey City, is distributing its fourth compilation of the various state laws having a bearing on the use of soda benzoate in food products. Copies of this leaflet may be obtained free from the office of the Seydel Chemical Company by mentioning the REPORTER.

Sulfathiazole Contributions Asked by British Aid Group

The Medical and Surgical Supply Committee of America, an organization formed to aid Britain, issued an appeal last week for further supplies of sulfathiazole, the latest of the sulfanilamide group of chemicals that has proved itself the most effective so far in the treatment of a number of serious bacterial diseases and infections. The committee said the sulfathiazole crystals are highly beneficial in the treatment of gunshot wounds and fractures, and are highly effective in the reduction of the incidence of gas gangrene.

'Drug Trust' Charges To Grand Jury Feb. 19

—Continued from page 5

members of the trade and to ask the grand jury to bring in an indictment.

The Department of Justice will neither confirm nor deny a local report that the case has developed chiefly into a charge of monopoly in the supply of insulin, but the probability is that the inquiry will be much broader. The whole range of distribution practices in the drug and related merchandise fields was under study at the beginning of the inquiry. Since then practices in the surgical instrument business have been separated from the Washington investigations and are now being considered by a Federal grand jury in Philadelphia.

The department will broaden its grand jury investigations of drugs and medical supplies throughout the country if it receives sufficient funds from Congress, Assistant Attorney-General Thurman Arnold promised today. He cited drugs as one of the necessities of life from which restraints on production and distribution should be removed.

Doctors Disagree On Group Medical Care

—Continued from page 5

far was Dr. Hugh Cabot, internationally known specialist, who testified that the principle of group medical practice was preferable to private practice. The cost of medical care has increased so greatly that it is impossible for persons of average income to pay for adequate service, he told the jury. Another prominent witness who appeared for the government was Dr. Michael M. Davis, representing the committee on medical economics of the Julius Rosenwald Fund.

Cross-examination by defense counsel brought out from officials of a local health group that they were uncooperative in their dealings with the local A.M.A. society. They maintained, however, that A.M.A. officers had sought to destroy the group.

Peoples Drug Stores, Washington, January sales amounted to $2,119,655, against $1,870,770 in January last year.

Givens Joins Bilhuber-Knoll

Horace T. F. Givens has resigned as associate in chemistry at the College of Pharmacy of Columbia University, in order to join the Bilhuber-Knoll Corporation, Orange, N. J. Mr. Givens was graduated in 1928 and has since been on the teaching staff.

VIKING
Petroleum Solvents
PENTANE
HEXANE HEPTANE
PETROLEUM ETHER
LIGROIN BENZINE
LOW COST—HIGH QUALITY
Special Solvents for Special Purposes
VIKING DISTRIBUTING CO.
S.S. BLDG. CHARLESTON, W.VA.

Gum Tragacanth---Gum Arabic
Importers
THURSTON & BRAIDICH, 286 Spring St., NEW YORK

GUMS
IMPORTERS
GUM ARABIC
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
GUM KARAYA
CHICAGO REP.
J. H. DeLAMAR & SON
160 E. Illinois St.
NEW ENGLAND REP.
P. A. HOUGHTON, INC.
Boston, Mass.
PHILADELPHIA REP.
R. PELTZ & CO.
36 Kenilworth St.
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. HANOVER 2-3750

Botanical Drugs, Spices, and Gums

Numerous Belladonna Cultivation Projects Alleged—Domestic Growing of Foreign Botanicals Profitable Only When Lack of Imports Brings Sensational Prices

Interest of farmers and other individuals in the United States has been aroused substantially by the sensationally high prices that have resulted from the total stoppage of all imports from European sources of supply. While faced with the fact that an item now fetching $3 per pound will drop to around, say, 14c once Europe can ship again, those interested in cultivating crops to profit by the extraordinary prices obtainable for some drugs are not being deterred from venturing, apparently. Last week, reports of numerous cultivation projects involving belladonna leaves were noted as an example in point.

Price developments in the botanical drug market were not numerous during the past week. Nor was there anything particularly sensational about the movements up and down. For the most part, the market continued one of marked strength based on a lack of normal spot supplies of many materials and, in others, of total inability of dealers to replace exhausted stocks by purchases made in the usual primary markets. In practically all ways it was a sellers' market and it was becoming increasingly hard to get an increasingly larger number of botanical drug items.

Balsams

Copaiba.—Lacking further price advance but very firm.

Tolu.—Firm. No further price rise.

Barks

Black Haw.—Root bark continued to gain strength. Price advance strongly maintained.

Cascara Sagrada.—Firm to strong. 1941 crop likely to be smallest in years. Lack of workers expected. Practically no carryover in dealers' hands.

Elm.—Excellent, seasonal demand at full market prices.

Sassafras.—Sales of select bark at 20c. to 21c. per pound indicate strengthening of market.

Soap.—No cheaper. Possibly a trifle steadier. Spot in line with replacement cost in primary market.

Beans

Calabar.—Inactive. Steady in price.

Vanilla.—Market in statu quo. Understocked supply. High, practically nominal prices. French primary markets cut off. British embassy declares blockade will continue. Mexican beans shaded to $9 per pound. Bourbons nominal at $10.

Berries

Buckthorn.—All prices subject to confirmation. Replacement unlikely.

Juniper.—Collection domestic berries to be encouraged. Some have been distilled at very high cost. Product obtained differed substantially from imported oil.

Imports and Detentions

Entries of botanicals at the port of New York since the week of January 1, 1941, and the detention of these items by the Food and Drug Administration because of the presence of matter rendering them unfit for human consumption were:—

	Bags—Detained.	Bags—Entered.
Anise	...	100
Belladonna	19	19
Caraway	...	174
Cardamom (cases)	...	519
Celery	...	26
Coriander	1,000	21,990
Cumin	462	3,287
Digitalis leaves, (cases)	...	...
Dill	...	3,516
Fennel	...	268
Henbane leaves (bales)	...	...
Mustard	...	1,230
Poppy	...	...
Sage leaves (bales)	...	2,946
Sesame	...	360
Stramonium	...	...
Thyme	197	297

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

Association Meetings:—
Amer. Spice Trade Ass'n, May 12-14 (Tentative), New York.

Price Changes

Advanced

Ginger root, Jamaica, bold, 3c. per lb.
medium, 2½c. per lb.
grinding, 2½c. per lb.
Galangal root, 3c. per lb.
Pimento, Mexican, ¼c. per lb.
Mexican, ½c. per lb.
Sunflower seed, poultry grade, ⅛c. per lb.
Sassafras bark, select, 1c. per lb.
Vanilla beans, Bourbon, 50c. per lb.

Reduced

Anise, Mexican, ⅝c. per lb.
Celery seed, French, 3c. per lb.
Cumin seed, Morocco, ½c. per lb.
Cyprus, ½c. per lb.
Persian, ½c. per lb.
Millet seed, early fortune, ¼c. per lb.
Mustard seed, Roumanian yellow, ½c. per lb.
Pepper, red, Japanese, chillies, ½c. per lb.
Sage, Greek, afloat, 1c. per lb.
Thyme, French, 3c. per lb.
Vanilla beans, Mexican, 50c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
238.3	239.0	224.4	189.4

Market news that may have developed after this report was sent to press will be found on page 4.

Flowers

Arnica.—Practically extinct. All prices subject to confirmation.

Chamomile.—Firm to strong based on small stocks and difficulty of finding further stocks to meet 1941-1942 needs. Argentina sent 28,000 pounds in December, 1940.

Malva.—Low stock in strong hands. Sellers reserved. Prices subject to confirmation.

Rose.—Steady to firm. Limited demand. Moderate supply.

Saffron.—Spanish steadier. Decline seems checked.

Gums

Aloe. — December, 1940, imports totaled 119,977 pounds from following countries:—Curacao, 106,772 pounds; Union of South Africa, 13,205 pounds.

Arabic.—Shipping still key to future. Plenty of gum at source. If it moves, values here should be reasonable.

Camphor.—Moving well under trade stimulated by seasonal conditions. Domestic synthetic a controlling factor in market.

Mastic.—Inactive. Plentiful stocks. Conditions favor buyers.

Tragacanth. — Plenty of gum at source. Hard to get shipments moving to spot. Situation should improve. No. 1 quoted $2.75 to $2.85 per pound.

Herbs and Leaves

Belladonna. — Domestic cultivation projects continually reported. Hard to

CHECK THIS LIST
OF HOPKINS' PROFESSIONALLY MILLED, ANALYZED, HIGH STANDARD
CRUDE DRUGS

The earth contributes and J. L. Hopkins & Company distributes every foreign and domestic botanical drug for which there is any commercial demand. A few of the many botanical drugs, ready for prompt or contract shipment from our New York City warehouses and mills, follow:

✓ ACONITE (250% Active)
✓ ALOES
✓ ALTHEA ROOT
✓ ANISEED
✓ ARECA NUTS
✓ ASAFOETIDA GUM
✓ BENZOIN GUM
✓ BUCHU LEAVES
✓ CALAMUS ROOT
✓ CUDBEAR
✓ CINCHONA BARK
✓ DAMIANA Select
✓ DIGITALIS (116% Active)
✓ DOGGRASS CUT
✓ ERGOT (140% Active)
✓ EUPHORBIA PIL.
✓ FENNEL SEED
✓ GALANGAL ROOT
✓ GINGER
✓ GUAIAC GUM Glassy
✓ HAWTHORNE BERRIES
✓ HOREHOUND
✓ IPECAC ROOT
✓ IRISH MOSS
✓ KOLA NUTS
✓ MYRRH GUM
✓ OLIBANUM GUM
✓ ORANGE PEEL
✓ ORRIS ROOT
✓ PAPAIN
✓ PEPPERMINT
✓ PSYLLIUM SEED
✓ QUASSIA
✓ QUINCE SEED
✓ RHUBARB ROOT
✓ SANDALWOOD
✓ SARSAPARILLA
✓ SENEGA ROOT
✓ SENNA LEAVES
✓ SLOE BERRIES
✓ STRAMONIUM
✓ UVA URSI
✓ WILD CHERRY BARK
✓ PALE ROSE BUDS

◆ ◆ ◆ ◆ QUOTATIONS AND SAMPLES ON REQUEST ◆ ◆ ◆ ◆

J. L. HOPKINS & CO.
IMPORTERS, MILLERS AND MANUFACTURERS OF PROFESSIONALLY MILLED, ANALYZED CRUDE DRUGS
Boston Philadelphia 220 BROADWAY, NEW YORK CITY 180 N. Wacker Drive, Chicago, Ill. Memphis Los Angeles

KELCO Alginates

for USE in
— textile printing
— cosmetics and pharmaceuticals
— cold water paints
— latex adhesive mixtures
— boiler compounds
— leather dressings
— or wherever a gum or hydrophilic colloid is required

MADE in U. S. A. from domestic raw materials. You don't have to worry about deliveries.

KELCO Alginates are gum-like, colloids which, when mixed with water, form very *viscous* solutions. Because of this viscous property, KELCO Alginates are used regularly as efficient but economical suspending, stabilizing, bodying, and emulsifying agents—or wherever a gum, a gum-like, or hydrophilic colloid is required.

KELCO Alginates are made in U.S.A. from domestic kelp to rigid specifications. Thus, you are assured of uniform high quality products and uninterrupted service.

We invite you to send for complete information, prices and samples. Please specify use or uses.

KELCO SODIUM ALGINATE PRODUCTS

It PAYS to use KELCO Alginates

KELCO COMPANY
75 EAST WACKER DRIVE CHICAGO
31 NASSAU ST. NEW YORK
530 W. SIXTH ST. LOS ANGELES

get seed. Department of Commerce reports arrival of 5,225 pounds in December, 1940. Spain sent 1,102 pounds; Yugoslavia, 4,123 pounds.

Buchu.—Lower at 53c. to 54c. per pound. December, 1940, imports totaled 6,000 pounds from Union of South Africa.

Patchouli.—December, 1940, imports from British Malaya totaled 64,689 pounds.

Sage.—Greek leaves offered afloat at 35c. to 37c. per pound.

Thyme.—French lowered by competition to 62c. to 64c. per pound.

Miscellaneous

Cantharides.—Russian flies strong and almost scarce.

Colocynth Pulp.—Fair selling at full market prices.

Ergot.—Steady. No exceptional demand. Replacement cost maintained. December, 1940, in parts were 8,700 pounds from Portugal.

Kamala.—Movement fair. Prices steady. No unusual competition.

Papain.—Needs fully covered. Very steady market.

Roots

Alkanet.—Firm at rise to 67c. to 69c. per pound.

Cube.—December, 1940, imports totaled 317,400 pounds. Steady. Brazil shipped 55,125 pounds; Peru, 262,335 pounds. Powdered, 80,523 pounds.

Derris.—December, 1940, imports totaled 301,182 pounds from following countries:—British Malaya, 100,997 pounds; Netherlands Indies, 114,418 pounds; French Indo-China, 22,046 pounds; Philippine Islands, 63,721 pounds.

Galangal.—Export demand has reduced stocks. Small lots around 14c. per pound, subject to confirmation. Larger quantities, around 16c.

Ipecac.—December, 1940, imports totaled 13,565 pounds from following countries:—Costa Rica, 6,500 pounds; Brazil, 2,090 pounds; Nicaragua, 4,975 pounds.

Rhubarb.—December, 1940, imports totaled 27,039 pounds from China. Steadier on spot.

Sarsaparilla. — Mexico shipped 16,650 pounds in December, 1940.

Seeds

Anise.—Mexican shaded to 22¼c. to 22¾c. per pound. No other change.

Celery.—Trifle of French might be scraped up around 62c. to 64c. per pound.

Cumin.—Lower. Morocco, 18½c. to 19c. per pound; Cyprus, 18½c. to 19c.; Persian, 16c. to 16½c.

Millet.—Early fortune fractionally lower at 2¼c. to 2¾c. per pound.

Mustard.—Roumanian yellow at 15½c. to 16c. per pound.

Poppy.—Turkish higher at 32½c. to 33c. per pound. Roumanian sharply higher at 34½c. to 35c.

Sunflower.—Poultry grade up to 4.65c. to 4.95c. per pound.

Spices

Ginger.—Nominal quotations on Jamaica root higher. Bold, 17c. per pound; medium, 16c.; bright grinding, 15½c.

Paprika.—Lacking new price activity. Fairly steady.

Pepper.—Black Lampong small fraction higher at 4.30c. to 4.50c. per pound. Japanese chillies shaded to 19½c. to 20c. per pound. Mombassa, unchanged at 24½c. to 25c.

Trading in black pepper futures on the New York Produce Exchange from February 8 to February 14, inclusive, comprised 184 contracts, a total of 6,182,400 pounds. Following is a price record for the week:—

	Cents per pound		
	High.	Low.	Close.
March	4.44	4.10	4.35@4.40
May	4.55	4.18	4.42@4.44
July	4.63	4.18	4.49@4.51
September	4.72	4.37	4.55 sale

Pimento.—Jamaica item in fractional rise to 25½c. to 26c. per pound. Mexican item, also up and selling around 11c. to 11½c. per pound.

Columbia Gets Research Fund

Columbia University has received forty-one gifts aggregating $40,811 to be used principally for research in chemistry, physics and medicine. A portion of the gifts will be allocated for continued research in bacteriophage, an ultra-microscope filterable virus that destroys bacteria.

FSA to Coordinate Health, Medical Agencies

—Continued from page 5

This staff is headed by Miss Gay Shepperson, former Work Projects Administrator for Georgia.

Personnel of Council

The Federal agencies and their representatives composing the Interdepartmental Advisory Council include:—

Advisory commission to the Council of National Defense—Agriculture division, J. B. Hutson; consumer protection division, Harriet Elliott; division of State and Local cooperation, Frank Bane; housing coordinator, Charles Palmer; labor division, Sidney Hillman.

Bureau of Home Economics — Dr. Louise Stanley.

Children's Bureau—Katherine Lenroot.

Civilian Conservation Corps—J. J. McEntee.

Department of Labor—Frances Perkins.

Extension Work—M. L. Wilson.

Farm Security Administration—C. B. Baldwin.

Federal Works Agency — John M. Carmody.

National Park Service—Conrad Wirth.

National Resources Planning Board—Charles W. Eliot.

National Youth Administration — Aubrey Williams.

Office of Education—J. W. Studebaker.

Public Health Service—Dr. Warren Draper.

Social Securtiy Board—Arthur Altmeyer.

Surplus Marketing Administration — Milo Perkins.

Veterans Administration—Harold W. Breining.

Works Projects Administration — Howard O. Hunter.

The regional coordinators in the twelve groups of States are the following:—

Region I (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont)—John F. Hardy, Boston.

Region II (New York)—Mrs. Anna Rosenberg, New York.

Region III (Delaware, New Jersey, and Pennsylvania)—W. L. Dill, Philadelphia.

Region IV (District of Columbia, Maryland, North Carolina, Virginia, and West Virginia)—G. R. Parker, Washington.

Region V (Kentucky, Michigan, and Ohio)—Robert C. Goodwin, Cleveland.

Region VI (Illinois, Indiana, and Wisconsin)—H. L. McCarthy, Chicago.

Region VII (Alabama, Florida, Georgia, Mississippi, South Carolina, and Tennessee)—Richard H. Lyle, Birmingham.

Region VIII (Iowa, Minnesota, Nebraska, North Dakota, and South Dakota) —Fred M. Wilcox, Minneapolis.

Region IX (Arkansas, Missouri, and Oklahoma)—Ed McDonald, Kansas City, Mo.

Region X (Louisiana, New Mexico, and Texas)—James B. Marley, San Antonio, Texas.

Region XI (Arizona, Colorado, Idaho, Montana, Utah, and Wyoming)—Heber R. Harper, Denver.

Region XII (California, Nevada, Oregon, and Washington)—Richard M. Neustadt.

Levis Made Chairman Of Owens-Illinois Co.

Toledo, Feb. 10, 1941

William E. Levis has been named chairman of the board of the Owens-Illinois Glass Company, this city, and will serve as chief executive officer under an amendment to the company's by-laws. The post of general manager has been abolished. J. P. Levis, formerly general manager and vice-president, has been named president. R. H. Barnard has been elected executive vice-president and C. K. Belknap is the new vice-president of the board. Joseph F. Adams has been named national accounts manager and Charles E. McLaughlin merchandise manager. The latter formerly handled advertising for the Libby glass company.

No Drug Shortage in U. K.

London, Jan. 20, 1941

Chemical manufacturers here have saved the country from the danger of a drug shortage, according to Secretary A. Mortimer, of the Wholesale Drug Trade Association. Secretary Mortimer declared that new industries had been started so that never again would the United Kingdom be in the same position as 1914-18. In addition they have been able not only to maintain but to increase the export trade in chemicals, he stated.

U. S. Industrial Chemicals, Inc., is erecting a storage building 40 by 100 feet and an extension to the third floor of its Baltimore production plant.

Bartlett & Snow Offers New Colloid Mill

A new colloid mill with triple processing action has been introduced by the C. O. Bartlett & Snow Company. The machine is of the vertical type. Material is fed downward through a receiving funnel and encounters the impeller vanes on top of the rotor traveling at 10,800 r.p.m., which force it to the periphery of the rotor at pressures as high as 150 pounds per square inch for some materials. The machines can be dis-assembled and thoroughly cleaned in from two to three minutes. They are available in four sizes with 4-inch, 6-inch, 9-inch and 12-inch diameter rotors. The company's laboratory is available for tests and trial runs. Descriptive literature may be secured by writing to the C. O. Bartlett & Snow Company, Cleveland, Ohio, and mentioning the REPORTER.

Drug Wage Dissent Filed by Employers

—Continued from page 4

substantially curtailing employment, such also being contrary to the provisions of said law.

3. The recommendation of the majority of the committee will give competitive advantage to a group in the industry and competitive disadvantage to another group, such being principally the members of said industry who are located in the South and Southwestern sections of the country.

4. The recommendation of the majority of the committee does not take into consideration competitive conditions as affecting certain manufacturers in the industry, such competitive conditions being transportation, living and production costs.

5. The recommendation of the majority of the committee failed to take into consideration another competitive condition existing in the industry, such being to wit:—The fact that a number of the manufacturers in the industry are differentiated competitively from other manufacturers by virtue of the price obtained for their products. By this I mean that the recommendation of the majority of the committee did not take into account the fact that the smaller manufacturers for the most part sell products ranging from 25 cents downward, whereas the larger manufacturers, for the most part, whose volume accounts for the majority of the sales volume in the industry, do sell higher priced products.

Mr. Vallee's dissent stems from his belief that the change from 30 cents to 40 cents would be too abrupt. He asks that the increase be made progressively over three years. The other two employer members have not expressed their views.

Schering to Pay Draftees

Bloomfield, N. J., Feb. 12, 1941

The Schering Corporation, pharmaceutical manufacturer, this city, will keep draftees and volunteers on its payroll and will consider employees as on leave of absence during their full period of military service, with seniority rights maintained. Drafted employees will be paid a percentage of the difference between their last monthly salaries and Army pay, ranging from 15 to 25 percent for single men. Married men will receive an additional 15 percent for a dependent wife and another five percent for each child.

J.L. Hopkins Promotes Van Nortwick and Dees

John G. Van Nortwick, associated with J. L. Hopkins & Co., this city, for fifteen years, has been elected vice-president in charge of sales. Prior to joining the Hopkins organization, he was with the Albany Chemical Company.

W. E. Dees

During the fifteen years with the Hopkins company, Mr. Van Nortwick has traveled throughout the United States and Canada, giving him a broad acquaintance in the consuming trades and industries. He is on the membership committee of the American Pharmaceutical Manufacturers' Association.

J. G. Van Nortwick

W. E. Dees, active since 1937 in the research and development department of the Hopkins company, has been promoted to the position of resident salesmanager, a position in which he will be principally concerned with the manufacture and sales of Hopkins' laboratory specialties as well as general sales supervision over other products of the company.

Mr. Dees is a graduate of the University of Michigan, was with the F. A. Thompson Company, Detroit, for four years; founded a company of his own under the firm style of the Carpenter Chemical Company, also of Detroit, and joined the Hopkins organization in 1937.

Cadmium Output Up

Production of metallic cadmium increased 38 percent over 1939 to 6,101,000 pounds, compared with 4,411,530 pounds in 1939 and 4,077,961 pounds in 1938. Sales were 6,113,000 pounds, an increase of 18 percent from 5,190,273 pounds in 1939, according to the Bureau of Mines.

Imports of metallic cadmium dropped markedly from 309,874 pounds in 1939 to only 27,491 pounds in the first eleven months of 1940. Most of the metal imported in 1939 came from European countries, including Belgium, Netherlands, Italy, Norway, Poland, Danzig and Germany. Imports of cadmium flue dust from Mexico also declined, dropping from 816 short tons during the first eleven months of 1939 to 381 tons during the equivalent period of 1940. Apparent consumption of primary cadmium (metal and in compounds) is roughly estimated at 6,900,000 pounds in 1940, 28 percent greater than in 1939 and 17 percent above the previous peak established in 1937.

Wrigley Pharmaceutical Company, Atlantic City, N. J., has been placed under custodial receivership. Assets of the company were listed at $23,273 and liabilities at $46,140.

ECONOMIZE with this FINEST QUALITY

Gathering Limes

OIL OF LIMES

DISTILLED

Let the tangy freshness of this outstanding citrus oil lift your product to the pinnacle of flavor quality. Our present favorable position will enable you to do this with really worth-while economy if you order your season's requirements NOW.

FRITZSCHE BROTHERS, Inc.

PORT AUTHORITY COMMERCE BLDG., 76 NINTH AVENUE, NEW YORK, N. Y.

BRANCH STOCKS

BOSTON CHICAGO LOS ANGELES ST. LOUIS TORONTO, CANADA MEXICO, D. F.

FACTORIES AT CLIFTON, N. J. AND SEILLANS (VAR) FRANCE

Essential Oils, Aromatic Chemicals

Panama Ship Expected to Bring Aromatics in Cargo — Sweet Almond Higher—Cassia Stronger and Rising—Wormseed Competitive at Decline—Birchtar Getting Scarce

Demand for aromatic chemicals and essential oils continued in excellent volume last week. The scarcity of numerous essential oils, particularly those of special importance to perfumers was emphasized by the further expansion in business based on compounds developed to replace those oils either unobtainable or showing a cost the industry cannot pay profitably. The situation was highly favorable for the creation of new products that can stand a chance of remaining important industrial raw materials even when the European war shall end.

All attempts to get larger quantities of French oils seem to be failing steadily. Recent reports indicate that stocks available in France are probably smaller than some have estimated. The production of such flower materials as neroli, jasmine, and tuberose were far under normal, the results of rain and cold weather.

New sources for old raw materials are being sought constantly. Investigations have been afoot in South America as well as Asia. Attempts at the cultivation of cassie, ylang ylang, and jasmine were reported a part of refugee activity in Santo Domingo. Success along these lines, however, must await a substantial period of time. In the meanwhile, the importance of compounds manufactured from aromatic chemicals produced in this country is gaining steadily.

A ship sailing under the Panama flag from the Italian port of Genoa has been reported and it is believed that at least a part of the cargo will be aromatic chemicals of Swiss manufacture.

Price Changes

Advanced

Almond, sweet, 10c. per lb.
Birchtar, crude, 11c. per lb.
rectified, 15c. per lb.
Caraway, $1 per lb.
Cassia, 10c. per lb.
Lemon grass, 2c. per lb.

Reduced

Patchouli, 50c. per lb.
Wormseed, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
173.6	173.5	165.9	96.3

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—Higher at $1.15 to $1.20 per pound. In low supply. Not easily replaceable abroad.

Angelica. — Limitation on stocks makes close to nominal market.

Anise.—Firmer, in the main. Prices well maintained. Fair request.

Apricot.—Very firm. Moving well. Stocks moderate.

Bay.—In routine demand. Fair supplies. Steady prices.

Bergamot. — Artificial oil doing finely. Very firm. No open market offerings natural oil.

Birch Tar.—Increasingly hard to secure. Higher. Crude, 48c. to 50c. per pound. Rectified, $1.25 to $1.30. Strong undertones.

Cajeput. — Demand light. Mainly jobbing. Prices steady.

Cananga.—Few, if any, lots available. Nominal market.

Capsicum (Oleoresin).—Firm. Production cost well maintained. Raw material comparatively high.

Caraway.—Nominal at $7 per pound. Virtually extinct on spot.

Cassia.—Fair to better demand. Higher at $1.65 to $1.70 per pound. Prices substantially firmer.

Cedarleaf.—Small orders more numerous. Steady to firm market.

Cedarwood.—Call not very active. Prices hold firm.

Celery. — Stocks dwindling. Some sellers clear of supplies.

Citronella.—Firm on spot and at source. Fair to good demand.

Clove.—No price shading. Very firm undertones.

Coriander. — Future arrivals raw material from source turns doubtful.

Erigeron.—Firm. Not much trading. Moderate stocks.

Eucalyptus. — Doing well at full prices. Call seasonable.

Geranium.—Substitutes in demand. Natural oil all but unobtainable.

Grapefruit. — Steady. Demand routine. Little competition.

Grapeseed. — Competition of imported oil turns domestic item easier.

Ginger.—Firmness in raw material prices reflected in quotations on oil.

Juniper Tar.—Tending firmer. Replacement of stocks uncertain.

Lavender.—Artificial oils finding increasing market due to scarcity of natural oil. Some arrivals of Spanish spike noted.

Lemon.—Demand normal. Domestic production supplying all needs with fair promptness. Quotations continue well stabilized.

Lemongrass.—Sold at rise to 80c. to 85c. per pound. Firm, spot and source.

Lime.—Demand routine and conventional. Firm prices.

Nutmeg. — Firm. Good movement into consumption. Tendency upward.

Mustard. — Local dealers indicate some rise in sales of artificial item.

Orange. — Routine demand. Needs met promptly. Steady prices.

Patchouli. — Slightly more competitive. Shaded to $4.75 per pound.

Peppermint.—Firm at late advance. Still tends upward. First-hands reserved. Stock held in strong quarters. No selling pressure.

Petitgrain. — Demand satisfactory. Steady to firm market.

Rosemary. — Replacement arrivals uncertain. Very firm.

Sassafras.—Deliveries prompt. Demand moderate.

Spearmint.—Tending higher. Little competition. Stocks moderate.

Tansy.—Fair reserves firmly held, spot and country.

Wormseed. — Competition gains. Prices shaded to $2.70 to $2.80 per pound. Quoted on U.S.P. quality oil. Some substandard oil reported.

Aromatic Chemicals

Acetaldehyde. — Firm. Moderately but steadily active.

Acetophenone. — Sustained demand along routine lines.

Amyl Phenylacetate. — Very good demand. Some tendency to rise.

Amyl Salicylate.—Inquiry up. Sales volume holds. Prices steady.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

For Economy — For Quality
MM&R CONCENTRATED FLAVORS
for Pharmacists
"Performance-Tested" in hundreds of well-known products, MM&R CONCENTRATED FLAVORS, by virtue of their superior quality and extra concentration, offer substantial production economies.
Your particular flavor problems will receive our studied attention
Make your reservations now for the Annual Drug, Chemical and Allied Trades Dinner at the Hotel Waldorf-Astoria. Thursday, March 13 1941.
MAGNUS, MABEE & REYNARD, INC.
16 DESBROSSES STREET, NEW YORK, N.Y.
CHICAGO BRANCH: 180 N. Wacker Drive
CANADA: Richardson Agencies, Ltd., 454 King St., W., Toronto
An MM&R ECONOMY POINTER

WE SPECIALIZE IN REDISTILLING
in our factory. Try our
Oil of Cassia, Redistilled, U.S.P.
Oil of Peppermint, Redistilled, U.S.P.
Every trace of impurity removed. Flavor the finest it is possible to obtain.
GEORGE LUEDERS & CO.
427-429 WASHINGTON STREET, NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

D. W. HUTCHINSON & CO., Inc.
IMPORT **ESSENTIAL OILS** EXPORT
162-164 Front Street Established 1896 New York City

STANDARD SYNTHETICS
Synthetic Perfumes Citronella, Cloves, Lemongrass, Lavender, Geranium
Also Lemon, Orange, Lime, Peppermint Oils, etc.
Distillers of Essential Oils. Manufacturers of Aromatics, Perfume Bases, and Terpeneless Essential Oils.
Special Compounds for All Kinds of Soaps, Disinfectants, Sprays and Insecticides.
Samples Submitted Gladly. Send Us Your Problems.
STANDARD SYNTHETICS, Inc.
119 West 25th Street • New York, N. Y.

TOMBAREL
Supreme Flower Essences
Surfine Essential Oils
Basic Perfume Materials
Special Perfume Creations for All Purposes
TOMBAREL PRODUCTS CORP.
9-11 East 19th Street : : : New York, N.Y.

OIL of PEPPERMINT
Of American Origin Only
A. M. TODD COMPANY
KALAMAZOO, MICHIGAN

Anethol.—Firm and moving in normal volume.

Anisic Aldehyde. — Sales and inquiries gain. Very steady.

Benzaldehyde. — Movement sustained at good volume. Steady prices.

Benzophenone. — Firm to steady. Demand routine and ordinary.

Benzyl Acetate.—Very firm. Normal consuming interest noted.

Benzyl Benzoate.—More inquiry and some rise in sales. Firm.

Benzyl Cinnamate.—Steady call for rather larger quantities.

Benzyl Formate.—Firm under routine inquiry. Fair supplies.

Benzyl Isoeugenol.—Quiet. Steady prices. Deliveries prompt.

Benzyl Propionate. — More active. Prices firm to firmer.

Benzyl Salicylate. — Normal consumption noted. Undertones firm.

Benzylidenacetone.—Demand quickens, bringing firmer prices.

Cinnamic Alcohol. — Firm. Steady but unexpanding demand.

Cinnamic Aldehyde.—Better movement. Firmer quotations.

Citral. — Bought steadily up to prompt requirements.

Citronellal.—Call varies more than usual. Prices steady.

Citronellol. — Fair volume. Consumption close to normal. Price firm.

Citronellyl Acetate. — Interest rises considerably. Prices quiet.

Coumarin. — Satisfactory demand well maintained. Prices stable.

Cyclamen Aldehyde.—Fair, jobbing business at full prices.

Diethyl Phthalate.—Movement gains along jobbing lines.

Dimethyl Hydroquinone. — Smaller sales volume. Prices hold well.

Diphenyl Methane. — Somewhat broader market. Firmer tone continues.

Diphenyl Oxide. — Sales maintained at normal volume. Firm.

Ethyl Cinnamate. — More inquiry. Volume maintained. Steady prices.

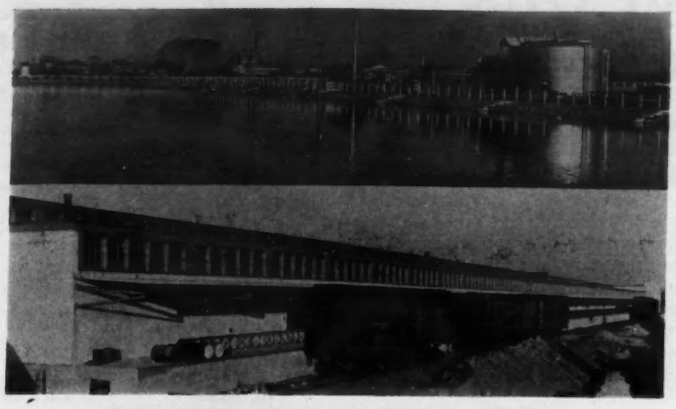
Ethyl Phenylacetate. — Call irregular at very steady prices.

Naugatuck Aromatics Buys House of Riviera Products

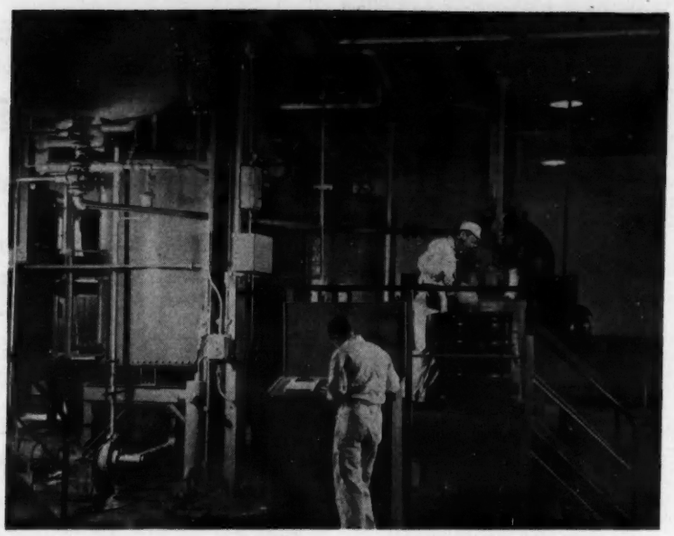
Naugatuck Aromatics, division of the United States Rubber Company, recently purchased the business of the House of Riviera Products Company, 215 West Ohio street, Chicago, following the death of Joseph De Lorme. Headquarters for Naugatuck in Chicago will be located at that address, having been moved from 440 West Washington street. Harold J. Edmon, who represented Naugatuck in the Chicago district for several years, is in charge of the new organization, members of which will be Bruno T. Grabowski, perfumer, and Mrs. E. L. Begley, long affiliated with the House of Riviera. The main office of Naugatuck is located in 12 East Twenty-second street, New York, under the management of Maurice G. Couderchet.

Parfums Schiaparelli, Inc., has named G. R. Parkingson executive vice-president and Randolph P. Leube manager of sales.

Calco Has New Effluent Plant and Drug Building



Above: Effluent Plant—Below: Warehouse Building



Some New Calco Pharmaceutical Equipment

The most important additions to the plants and equipment of the American Cyanamid Company's Calco chemical division during 1940 were the construction of a 60,000,000-gallon effluent plant and the completion of the first unit of a new pharmaceutical building.

The company spent several years of intensive research and experimentation with a $40,000 pilot plant before breaking ground for a plant to thoroughly treat Calco's acids, odorous and colored effluent. Because of Calco's peculiar waste problem, this plant, opened last November, makes use of features never before employed for this purpose.

The first section of the company's planned expanded pharmaceutical department was placed in operation last December. Embodying many new features of design to promote efficiency and cleanliness, the new unit also has incorporated in it a new control laboratory and additional research facilities, as well as a pilot plant of advanced design.

Another addition to Calco's facilities during the year was a warehouse, 970 feet in length, construction of which was made necessary by the inadequacy of the present warehouse. It is featured by a railroad siding entering the interior of the building. To provide an increased supply of naphthalene, anthracene and phenol, a complete still unit was added to those in the tar acid group. Other improvements were the enlargement of the power plant by the construction of a new boiler and pressure turbine and the completion of a modernistic employees' cafeteria.

M.M.&R. Appoints Pacific Coast Manager

Magnus, Mabee & Reynard, Inc., essential oils, has appointed Edwin Wright Redding as manager of the Pacific coast area. This appointment places Mr. Redding in charge of all sales activities for the territory west of Denver. For fourteen years Mr. Redding represented Sharp & Dohme on the coast, the latter part in an executive capacity. Prior to this Mr. Redding was associated with the Owl Drug Company. He is a native of Colorado and a graduate of the University of Colorado with a degree in pharmacy. Mr. Redding, at present in New York, will leave for the coast shortly. As part of the company's 1941 expansion plans, new west coast headquarters will be announced soon.

E. W. Redding

Oyster Nut Oil Being Studied in East Africa

Cosmetic trade in Kenya are showing interest in a new oil. The oil is expressed from the kernel of oyster nuts, which are indigenous to East Africa, and are grown rather widely in Tanganyika territory. The yield from the kernel is 62 percent oil. A cooperative selling union has been established, but it is stated that at present no nuts are available for export and no estimate can be given as to when they will be available in exportable quantities. according to the Chemical Division of the Department of Commerce.

Whelan Strikers Continue To Picket 55 Stores

Eight hundred employees in fifty-five stores of the Whelan Drug Company, this city, who went on strike February 3 when the company would not accede to the demands of the Retail Drug Store Employees Union, Local 1199, CIO, failed up until the late hour Friday to reach an agreement with the company. Union demands were a 15 percent increase for workers earning $25 or less a week, a 10 percent increase for workers earning more than $25 and a reduction in working hours from fifty-four to forty-eight a week. The company claimed that for the first nine months of 1940 its deficit was $97,239 and that it could not afford these increases.

E. J. Brown has resigned from the George H. Lee Company, poultry and stock remedies, Omaha, Neb., to become president of Supreme Laboratories.

FELTON'S
deodoromes
KNOCK OUT BAD ODORS IN A LARGE VARIETY OF SOLVENTS

Acquaint us with your odor problem, and our laboratories will be glad to recommend the neutralizer that will solve it most effectively and economically, No obligations of course!

FELTON Quality
FELTON CHEMICAL COMPANY, INC.
599 Johnson Ave., Brooklyn, N. Y.
Manufacturers of
Aromatic Chemicals, Natural Derivatives, Perfume Oils, Artificial Flower Oils and Flavor Oils. Stocks in Principal Cities

REPEAT ORDERS
COME EASILY WHEN ORIGINAL SHIPMENTS ARE Right!

PHARMACEUTICAL and COSMETIC MANUFACTURERS: Make your preparations "right" with a Penn-Drake Petrolatum or White Oil base. These full-bodied deterioration-proof products blend well with medicinal or cosmetic ingredients, and retain their original tasteless, odorless character for life. Their *Permanent Purity* has a real cash value that you can readily capitalize on.

Write today for full details.

penn drake petroleum products

PENNSYLVANIA REFINING COMPANY
BUTLER, PA.
Makers of fine White Oils, Petrolatums, Petroleum Sulphonates and other Petroleum Products, refined from 100% pure Pennsylvania oil

Petroleum Products

Petroleum Solvents and Naphthas Remain in Active Call — Wax Output Higher in 1940 — Crude Oil Output Set New High Last Year

Consumers of petroleum solvents and diluents continued to come into the market for large orders last week. Offerings of various petroleum paint ingredients were not curtailed, but, on the other hand, were not made freely. Certain types of aromatic naphthas were either very scarce or unavailable. Lighter fractions demand was good, with butane and propane the most active.

The market for crude scale paraffin wax remained somewhat slow. Prices, in general, were maintained at previous levels, although there were reports the listed quotations could be shaded. The 1940 output of wax totaled 513,240,000 pounds, compared with a 1939 total of 464,520,000. Domestic demand totaled 356,653,000 pounds last year, against 325,461,000 in the previous year. Exports were 190,065,000 in 1940, compared with 232,664,000 in 1939. A total of 74,640,000 pounds was imported last year for domestic use, compared with 38,343,000 the year before, and 8,462,000 pounds were imported in bond, against 1,570,000 in 1939. Stocks on hand at the end of 1940 totaled 125,272,000 pounds, against 75,648,000.

Crude oil production in the United States in 1940 totaled 1,351,847,000 barrels, a new high. The output was 87,500,000 barrels higher than 1939.

Price Changes

Advanced

Oil, lubricating, Pa. cylinder oil, 600 flash, ½c. per gal.

Reduced

None

Market news that may have developed after this report was sent to press will be found on page 4.

Solvents and Diluents

Aromatic Naphthas.—Consuming demand remained heavy. Stocks were not large. No. 40 grade unavailable. Offerings light. Prices firm and unchanged.

Cleaners' Naphtha.—Movement continued to broaden in satisfactory manner. Inquiries were more numerous. Price remained firm and unchanged.

Lacquer Diluent.—Lacquer manufacturers were showing only moderate interest in offerings. Demand was mostly for small-sized lots. New business was slack. Price remained firm at previous level.

Mineral Spirits.—Contract movement remained better than normal. Shipments were fairly large. Price was steady.

Rubber Solvent.—Paint and rubber manufacturers were less active than they were two or three weeks ago but the general tone of the market for this ingredient was well maintained. Stocks on hand were believed ample for any large pick-up in demand. The price was firm and unrevised.

Stoddard Solvent.—The cleaning trade were ordering normal supplies. Shipments were regular and in fair volume. Price was firm.

V.M. & P. Naphtha.—Movement into consumption remained satisfactory to prominent suppliers. New business was fair. Price was steady.

Markets at Other Centers

Chicago—Feb. 14

Petroleum solvents and diluents have been mostly steady and in some cases firmer. Buying is picking up in some lines fairly actively. Consumptive demand for cleaners' naphtha looked a little better. Price cutting was not very extensive.

AROMATIC NAPHTHAS.—Interest better. Market strong.

CLEANERS' NAPHTHA.—Orders fair. Prices holding.

LACQUER DILUENT.—Stable tone, quotations unchanged.

MINERAL SPIRITS.—Better interest, prices steady.

RUBBER SOLVENT.—Consumer takings modest. Quotations mark time.

STODDARD SOLVENT.—Good demand. Prices firmer.

V. M. & P. NAPHTHA.—Routine movement. Price steady.

New Orleans—Feb. 14

Little change was noted in the domestic market on cleaning solvent and V. M. & P. naphtha. Prices were firm and buying continued to be conservative, with no activity in the export market.

CLEANING SOLVENT.—Demand slow; price unchanged.

V. M. & P. NAPHTHA.—Sales volume fair, price steady.

Tulsa—Feb. 14

An increase in inquiries for specialties developed this week as buyers were shopping for next month's delivery. Demand for seasonal products was more brisk.

CLEANERS' NAPHTHA.—More inquiries. Prices steady.

STODDARD SOLVENT.—Interest limited. Quotations unchanged.

RUBBER SOLVENTS.—Larger inquiries from tire manufacturers. Prices steady.

V. M. & P. NAPHTHA.—Paint manufacturers inquiring more liberally. Quotations firm.

LACQUER DILUENT.—Trading picking up. Quotations unrevised.

Lighter Fractions

Butane.—Offerings were still restricted, due to the scarcity of stocks on hand. Demand remained heavy. Price was strong.

Heptane.—Normal and satisfactory trade continued to feature the market. Shipments were not exceedingly heavy, but were moving in steady fashion. No changes were reported in price.

Hexane.—Business was at previous levels. Deliveries were regular and in fair-sized amounts. Price was firm and unrevised.

Octanes.—Consumers remained more or less conservative in their demand, although suppliers were not looking for more than normal business. Price was steady and unchanged.

Pentanes.—Further broadening of demand was noted in the market. Consumers were coming in for slightly larger orders. Inquiries were brisker, portending better business in the near future. Price was steady and unchanged.

Propane.—Similar to butane, there was a heavy demand for this material, although offerings were curtailed, due to shortage. Price was firm to strong.

Markets at Other Centers

Chicago—Feb. 14

A generally firm to strong market undertone prevails in lighter petroleum fractions. Buyers are expressing more interest in butane and propane, with most other materials tending to mark time awaiting development of a larger interest from buyers.

BUTANE.—Orders brisk. Prices strong.

HEPTANE.—Steady buying. Market unchanged.

HEXANE.—Business moderate, quotations steady.

—Continued on page 56

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7

Association Meetings:—

Liq. Pet. Gas Ass'n, Feb. 24-25, Chicago.
Nat. Pet. Ass'n, April 25-26, Cleveland.

Trade Briefs

Ralph T. Zook, president of Sloan & Zook, petroleum products, Bradford, Pa., has been named a member of the standing committee of the Independent Petroleum Association of America to cooperate with the Interstate Oil Compact Commission.

Producers Pipe Line Company, Owensboro, Ky., must pay the state's franchise tax of approximately $11,000 a year for 1937, 1938 and 1939, it was ruled in circuit court at Frankfort last week. The company will ask review by the Court of Appeals.

Dr. Ralph T. Goodwin, formerly manager of fuel oils sales for Shell Oil Co., Inc., subsidiary of Shell Union Oil Corporation, this city, has been named manager of the company's aviation department. A. J. M. Hamon will act as his assistant.

Ohio Oil Company, Cleveland, has called for redemption on March 15 at $110 a share 35 percent, or about $12,000,000 principal amount, of its outstanding preferred stock. The stock will be retired pro rata from holders of record February 11.

N.J. Standard Develops New Cracking Process

—Continued from page 4

ing which has gained wide attention in the petroleum industry in recent years. Mr. Howard explained the difference in this way.

A chamber operating on the old principle of catalytic cracking might be compared with a single cylinder engine. Oil vapor was passed through the chamber, which contained catalysts in the form of lumps or pellets, for perhaps twenty or thirty minutes. During this time carbon deposits accumulated on the catalyst, impairing its effectiveness.

Consequently, it was necessary to stop operations, purge the unit to get rid of vapors and burn out the accumulated carbon with oxygen. All of this took more time than was consumed in actual cracking operations. Moreover the regeneration, or restoration of the catalyst in the chamber, required higher operating temperatures and much automatic apparatus which was quite expensive. In order to maintain continuous cracking operations in this type of catalytic process it was necessary to have several chambers, just as several cylinders are required to give an uninterrupted flow of power in an automobile engine.

In the fluid catalyst process we maintain continuous cracking operations in one chamber, and regeneration, or cleaning of the catalyst, in a separate zone, through which the catalyst flows like a liquid. The only thing that moves is the catalyst itself and the operation is continuous, like that of a steam turbine.

PETROLATUMS
and
WHITE OILS
. . . Buy Sherwood
Buy Product Protection
SHERWOOD
PETROLEUM COMPANY, INC.
Englewood, N.J. Refinery, Warren, Pa.

NICKEL FORMATE
Also NICKEL CATALYST - NICKEL CARBONATE
NICKEL OXIDE, Etc.
THE RUFERT CHEMICAL CO., 420 Lexington Avenue, New York, N.Y.

Quality
White Oils
ATLANTIC
Atreols
and
Ultrols
SEND FOR FREE
SAMPLES AND PRICES
THE ATLANTIC
REFINING COMPANY
Technical Sales Division
260 S. Broad St. Philadelphia

MASKING
PERFUMES
for BAD
SMELLING
PRODUCTS
• DEPENDABLE
• EFFECTIVE
• ECONOMICAL
JAVOLLAL — A substitute for citronella; imparts cleaner, finer odor.
METHALATE "C" — Replaces methyl salicylate in technical processes at low cost.
SAFRELLA — A low priced, effective substitute for artificial sassafras.
NEUTROLEUM — Completely neutralizes the odor of all preparations based on petroleum distillates.
Above deodorizing agents may be used in sprays, insecticides, germicides and other technical mixtures. Write for samples.
FRITZSCHE BROTHERS, Inc.

Petroleum Solvents

Lighter Fractions

—*Continued from page 55*

OCTANES.—Offerings fair. Prices holding.

PENTANES.—Buying shade brisker. Prices firm.

PROPANE.—Market strong. Prices generally hard.

Petrolatums and Waxes

Paraffins.—The market for crude scale material remained unchanged, demands and offerings being at previous levels. In general, refiners maintained prices as quoted but there were reports that listed quotations had been shaded. Deliveries of refined wax were holding well, with prices firm and unchanged.

Petrolatums. — Interest in forward buying remained at a low level during the past week. Some small spot business appeared but this apparently was for immediate needs only. Consumers were disinclined to stock heavily. No changes were made in listed prices.

White Mineral Oils. — A small broadening in demand was reported but the market was still characterized by quiet. Deliveries were small and irregular. Prices were unchanged.

Markets at Other Centers

Chicago—Feb. 14

A generally quiet to somewhat easier market is reported in petrolatums and waxes. Buyers of paraffins are holding back and declining to commit themselves on any very extensive rate. Petrolatum buyers marked time, with only routine activity. White minerals are in a somewhat easy status.

PETROLATUMS.—Buyers cautious, quotations unchanged.

WHITE MINERAL OILS.—Demand slow. Prices holding.

Tulsa—Feb. 14

More inquiries developed for waxes this week as the season of increased consumption is approaching. However, with higher stocks, refiners are quoting the same prices.

PARAFFIN.—Demand quiet. Prices easy.

PARAFFIN.—Demand for spring delivery picking up. Prices fair.

PETROLATUMS.—Interest limited. Quotations steady.

Effective Ass'n Action Essential

—*Continued from page 5*

(5 The negotiation of purchases which include plans for the joint purchase of materials and stocks by members of trade associations.

(6) The standardization of products by which producers and distributors, by voluntary agreement, forego their privilege of shaping or adjusting certain special features of their products according to their own judgment, such as styles, sizes, qualities, grades, and the like.

(7) The development of business standards through the adoption of codes of ethics or standard practice regulations to develop desirable and necessary standards of business conduct.

May Not Practice Law

Although trade associations need legal guidance and should employ or retain full-time or part-time counsel to advise them in their work, care should be taken to guard against the possibility of engaging in the unauthorized practice of law. A trade association would be guilty of practicing law, for example, although not incorporated for profit, if it renders legal services to members on private matters through attorneys employed by it, or if it holds itself out as being ready to adjust claims for members without charge. Corporations, whether in the form of trade associations or otherwise, cannot be licensed to practice law, whether or not they are organized for profit.

The practice of law, as commonly understood, means the doing of or performing of services in a court of justice in any matter depending therein throughout its various stages and in conformity to the accepted rules of procedure. But in a larger sense, it includes legal advice and counsel, and the preparation of legal instruments and papers by which legal rights are secured, although such matters may or may not be depending in a court of law.

In litigated matters, the practice of law involves not only the actual representation of the client in court but also services in advising a client as to his course of action or defense. It includes the giving of advice or rendering of services which require the use of legal knowledge or skill. More than the knowledge of the layman is required where papers of any nature or legal opinions are to be drawn from facts and conditions, the legal effect of which must be carefully determined in advance by a mind trained in the existing laws in order to insure a specific result and to guard against others.

The conduct of litigation is by no means all of legal justice and practice. A lawsuit is but one process of settling an issue of legal right and wrong. Many controversies can be disposed of without suit. But the disposition of such issues for others, by advice and negotiation, and with or without compensation, is as much the practice of law as though process and pleadings were necessary with or without trial. Counsel as to legal status and rights and conduct with respect thereto are as much a special function of the English solicitor and the American lawyer as diagnosis, prognosis, and prescription are in the general and special fields of medicine

The major portion of the actual practice of law under modern conditions consists of the work of attorneys outside of court and has nothing to do with court proceedings. It is just as essential to the administration of justice and the proper protection of society that unlicensed individuals should not be permitted to prey upon the public in that sphere of the practice of law as it is with respect to proceedings in the courts. It is no less an usurpation of the functions and privileges of an attorney, and an affront to the court having sole power to license attorneys, for one not licensed as such to perform the services of an attorney outside of court proceedings.

(To be continued)

Fuels and Lubricants

Gasoline.—Consumption up a bit. Prices firmer.

Kerosene. — Ordering well maintained. Prices firm.

Lubricating Oils.—Pennsylvania 600 flash cylinder oil was advanced ½c. per gallon to 9½c. Bright stocks were firmer.

Markets at Other Centers

Chicago—Feb. 14

Improvement in gasoline is indicated, with offerings diminishing. Kerosene also is showing improvement. Lubricating oil business has been tending to pick up, with buying heavier.

GASOLINE.—Spottily better, prices shade firmer.

KEROSENE.—More interest shown. quotations steady.

LUBRICATING OILS.—Undertone firmer. Prices stiffening.

Tulsa—Feb. 14

Demand for gasoline has picked up. Prices are becoming firmer. Demand for kerosene is better.

GASOLINE.—Pick-up in trading. Quotations firming up.

KEROSENE.—Broader demand. Quotations strong.

LUBRICANTS.—Demand broadening. Quotations stronger.

New Orleans—Feb. 14

Quiet was reflected in the market on gasoline. There was no change in the demand for kerosene.

GASOLINE.—Demand normal; price unchanged.

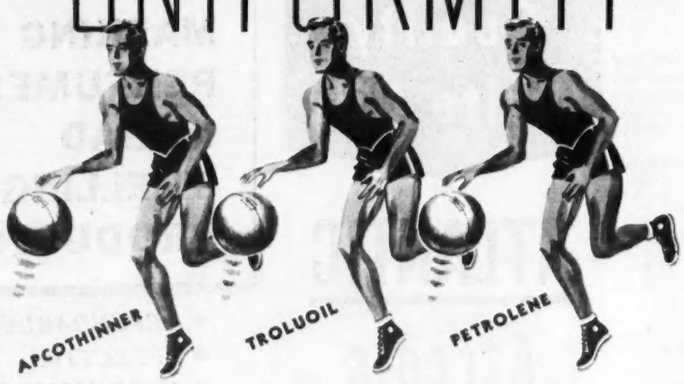
KEROSENE.—Market slow; unchanged price.

Trade Briefs

H. S. Spencer and E. E. Woodman of the Durez Plastics & Chemicals Company were guest speakers at the February meeting of the Buffalo Society of Automotive Engineers in Hotel Markeen.

Spencer Kellogg & Sons, Buffalo, won an award in the annual statewide accident prevention campaign of the Associated Industries of New York State. The award will be presented at a Buffalo Chamber of Commeme banquet on February 26.

UNIFORMITY



REACH YOUR GOAL WITH *Greater Profits*
PLUS SATISFACTORY RESULTS--

ANDERSON-PRICHARD
INDUSTRIAL NAPHTHAS

Smart players in the 1941 paint, varnish and lacquer game won't just "dribble" along. They will take the ball down the court and "shoot for the goal" in uniformity and dependability by using "Research-proven" Apcothinner, Troluoil and Petrolene exculsively.

"Research-proven" means our Laboratory is constantly at work aiding users of A-P diluents and thinners in the solution of their formula problems.

Atlantic Division:
D. H. LITTER CO.
NEW YORK
BOSTON
PHILADELPHIA

ANDERSON-PRICHARD OIL CORPORATION
PRODUCERS REFINERS
OKLAHOMA CITY, OKLA.

Canadian Representatives
APCO PETROLEUM PRODUCTS, LTD.
MONTREAL
TORONTO

AKRON CHICAGO KANSAS CITY DETROIT INDIANAPOLIS SOUTH BEND
CINCINNATI CLEVELAND ST. LOUIS PITTSBURGH MILWAUKEE

Fertilizer Materials

Sixty-four Fertilizer Firms Indicted as Trust—Market Not Yet Affected by Government Action — Cottonseed Meal and New York Blood Lower

With the fertilizer trade about to enter its busiest period of the year, a Federal Grand Jury last week indicted sixty-four corporations and thirty-six individuals on charges of violating the antitrust laws by price fixing and conspiring to suppress competition in the industry. Normal business was not affected by the indictment, although the consensus of opinion was that it was yet too early to show any developments. It was believed that the trade would become shakier and on a less sound footing as a result of the government's move. Whether price-shading will develop is a question that will be answered within the next few weeks.

Prices of raw materials were held to previous levels last week, with the exception of dried blood at New York and cottonseed meal at Southeastern points. Both these materials were reduced. The general market was marking time, awaiting the broadened demand expected in early Spring. There were ample supplies of most organic materials to cover the expected heavier demand. Sulphate of ammonia remained very tight. A heavy export call continued.

Preliminary figures show that only 785 tons of guano, once an important item in the American fertilizer trade, were imported into this country last year. Of this, 596 tons were imported into Arizona from Mexico. Prior to the advent of the manufacture of chemical fertilizer materials, the imports were on a large scale. As late as 1933, imports of guano of all types, principally Peruvian, totaled 59,772 long tons. In 1940 no receipts were reported from Peru.

Nitrogenates

Ammonia Phosphate. — Small supplies of this material continued to trickle to consuming markets. Offerings remained very limited. Price was steady and unchanged.

Anhydrous Ammonia.—Demand fell off slightly. Price was unchanged and firm.

Cyanamid. — The tightness in the market for ammonia phosphate was reflected here, with offerings curtailed. What material was placed on sale was quickly demanded. Price was firm and unrevised.

Dried Blood. — Weakness developed at Eastern markets. The price at New York was dropped 20c. per unit to $2.55 per unit-ton. Conditions and price were unchanged at Chicago.

Fish Scrap.—A few offerings of North Carolina scrap appeared on the market but no sales were reported. Chesapeake Bay menhaden was unavailable. Supplies of Japanese sardine meal could not be bought.

Nitrate of Soda.—The contract call remained more or less light but the market was merely marking time until the heavy shipping period. Stocks were believed ample for the expected broadening of demand. There was no change in price.

Nitrogenous Material. — Quotations at Midwestern producing points weakened slightly but no actual changes were made. Conditions at the East Coast were unchanged. Shipments remained at the same level as during the previous period. New business was small. Resales have been made in the South at $1.75 per unit, 25c. below the posted price in the Midwest.

Sulphate of Ammonia. — Offerings for domestic consumption were few. Export call was very heavy with business still being done at about $42 to $45 per ton.

Tankage. — The undertone of the market gained small strength during the period under review. No prices were changed, however. Demand improved slightly and shipments were up a bit.

Urea.—Contract call for this material remained satisfactory to prominent producers. The market continued to broaden, with some new business reported. Prices remained steady and unrevised.

Price Changes

Advanced

None

Reduced

Blood, dried, dom., 20c. per unit, f.o.b. N.Y.
Cottonseed meal, 8%, $1.50 per ton, Southeastern mills.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
68.0	68.0	68.0	67.0

Market news that may have developed after this report was sent to press will be found on page 4.

Potashes

Various potash salts were moving slowly during the week. Shipments of muriates and manure salts were light, most consumers already having taken the major portion of their needs. A better demand for replacement material is looked for in the early Spring. There was a fairly good export call and also a small demand for resale material. Cottonseed hull ash was moving in better volume and the increase in business gave strength to listed quotations. No changes were made, however.

Phosphates

Bone Materials.—Feed manufacturers showed less interest in offerings of material suitable for their needs. They had bought heavily in previous weeks and were not disposed last week to add to their supplies. Fertilizer grades were moving slowly, although the tone of the market remained firm. No price changes were recorded.

Superphosphate.—No new developments were reported. Offerings were made freely but there was an absence of actual buying. Prices were firm and unchanged.

Phosphate Rock.—Trade was moving along routine lines during the period. Demand for stocks remained normal and shipments were regular. Prices remained firm at previous levels.

Sulphur and Pyrites

The market for crude sulphur showed no new developments during the period under review. Offerings and demand were at about the same level as in the previous week. Increased activity is looked for in early Spring.

—*Continued on page 58*

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Fertilizer Trade Indicted For Price-Control

—*Continued from page 3*

izer Company, Maybank Fertilizer Company, Merchants Fertilizer Company, Mutual Fertilizer Company, Naco Fertilizer Company, Pelham Phosphate Company, Planters Fertilizer & Phosphate Company, Reliance Fertilizer Company, Robertson Chemical Corporation, Smith Agricultural Chemical Company, Smith Douglas Company, Southern Cotton Oil Company, Southern Fertilizer & Chemical Company, Standard Wholesale Phosphate & Acid Works, Tennessee Corporation, Wilson & Toomer Fertilizer Company.

Brand Refutes Charges

Commenting on the indictment, Charles J. Brand, executive secretary of the National Fertilizer Association, in a statement issued from Washington, said:

This charge of price-fixing comes to us in the face of the fact that over 800 independently operating fertilizer plants in this country have shown, according to the government's own figures, a record of years of fluctuating prices and very low prices. The latest United States Department of Agriculture figures show farmers are receiving 101 percent of the 1910-14 average for what they sell and are paying 122 percent on the average for the commodities which they buy. For fertilizer, however, they pay only 96 percent. If prices for fertilizer in 1940 had been as high as the average price of other things they buy, the farmer's fertilizer bill would have been $54,000,000 more. The Department of Agriculture further says that "fertilizer prices as a percentage of the 1910-14 average are considerably lower than the prices of most commodities bought by farmers."

Fertilizer prices have been anything but rigid. They fell 39 percent between 1929 and 1933—this drop was greater than the all-commodity drop. Fertilizer prices have never recovered to the extent that other prices have. The average price of the most widely used grade was $22.40 in 1929, $14.77 in 1933, and $17.12 in 1938.

If this widely scattered industry had the power to fix prices, it seems that they would have fixed them at profitable figures. As it stands, the manufacturer got a profit of only 1¼ cents out of each dollar the farmer spent for fertilizer. Roughly, this is 31 cents a ton on a $25 per ton fertilizer. This is based on the latest figures released by the Bureau of Internal Revenue on income tax returns filed over a ten-year period. A recent Securities and Exchange Commission report for twenty-one large corporations showed net profits amounting to 19½ percent of sales—somewhat different from 1¼ percent in the fertilizer industry.

Farmers Have Benefitted

The return the farmer receives is in sharp contrast with the industry's—a fact which we do not deplore. According to a survey based on personal interviews with 32,000 farmers, they received an average return of $3.60 for each dollar spent for fertilizer. Over 10,000 cotton growers reported a return of $4.47 for each fertilizer dollar; and 5,000 tobacco growers got back $9.04 for each dollar spent for fertilizer.

Plantfood content of fertilizer has steadily increased, too. In 1940 a ton of fertilizer contained over 33 percent more plantfood than in 1910 and sold at a price only slightly higher than at that time. One may fairly wonder why an industry that provides so valuable a service to American farmers at such low prices and with such meager profits is subjected to such attack.

Of course, an indictment or true bill, is not a verdict of guilty as so many people seem to think—it is in fact not even an indication of guilt. It is only a formal accusation made by at least twelve out of twenty-three grand jurors after an investigation conducted by the government, at hearings where for the most part only the government's side is heard. An adviser to the Antitrust Division of the Department of Justice recently said in a report to the so-called "Anti-Monopoly Committee:" "Nominally the grand jury has the power to indict or refuse to indict; in reality it usually does the will of the prosecuting attorney into whose hands the real discretion has passed." Even in such one-sided government proceedings, the grand jury required one year before it decided that the fertilizer companies should be formally accused.

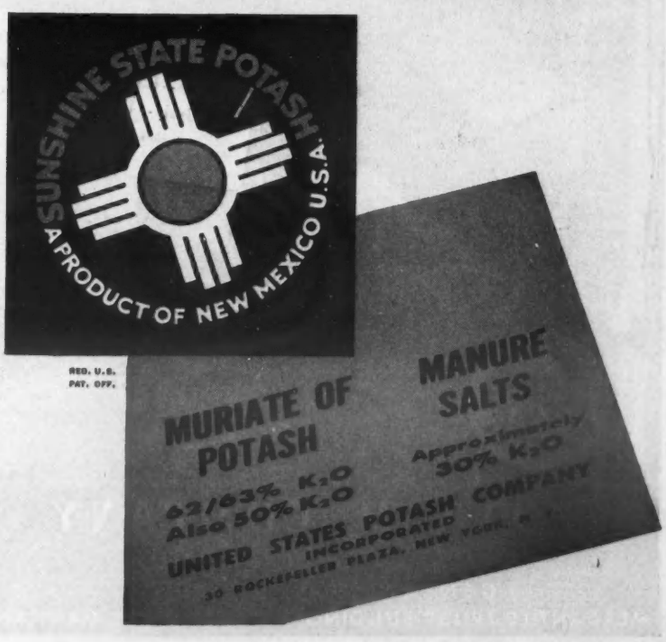
So far as the National Fertilizer Association is concerned, it has been in existence since 1893, and has made a lifetime job of helping the farmers get a greater financial return from the use of their lands. The success of the industry is based upon profitable returns for farmers.

The association is willing to be judged by its record. It has cooperated effectively with farmers and farm leaders, including particularly State and Federal agricultural workers, in both the encouragement of research and in bringing farmers the results of research in terms of practical application.

The association has cooperated with these agencies in the study and intelligent answering of many questions important to the farmers' welfare—such questions as: What conditions contribute to the best use of fertilizer? What fertilizer is most suitable for certain crops and certain soils? How much fertilizer should farmers use with certain crops? How should they apply it?

The association has issued millions of copies of magazines and pamphlets and books carrying these findings on best fertilizer use far and wide. In them all factors of good farming are emphasized. Its educational charts and motion pictures are used in agricultural schools and farm meetings throughout the nation. They all bring facts that put dollars in farmers' pockets."

Fertilizer manufacturing plant is reported to be in course of construction by the firm of Beick Felix in Mexico City.



Fertilizer Industry Data Given by Census Bureau

Statistics on the principal materials consumed by establishments classified in the fertilizer industry for the years 1939 and 1937, as compiled by the Bureau of Census, follow:—

Kind.	Tons 1939.	1937.
Used in manufacture of fertilizers—		
Sulphate of ammonia..	339,590	380,536
Nitrate of soda.....	87,799	122,821
Ammonia, anhydrous...	13,047	26,360
Ammonia, aqua, basis 25 percent NH₃.....	77,289	58,060
Calcium cyanamid.....	34,779	44,157
Urea and calurea.....	16,305	33,633
Ammonium phosphate..	27,356	32,793
Calnitro	45,145	*...
Other inorganic nitrogenous materials.....	69,476	79,036
Cottonseed meal.....	75,903	78,730
Tankage (processed)...	92,638	124,796
Tankage (animal) and dried blood.....	53,951	40,471
Tankage (garbage).....	31,091	55,501
Fish scrap and meal...	39,097	98,189
Guano (all kinds).....	27,063	27,336
Sewage sludge.....	17,300	24,110
Other organic nitrogenous materials.....	175,462	174,568
Bones, ground, steamed, etc.	15,775	32,763
Superphosphate, basis 16 percent A.P.A., total	2,816,537	3,495,659
Quantity made during year used in mixed fertilizers	1,395,302	2,163,147
Quantity purchased or taken from previous year's stock used in mixed fertilizers....	1,421,235	1,332,512
Muriate of potash, basis 50 percent K_2O.....	496,703	524,606
Sulphate of potash.....	56,389	57,889
Manure salts, basis 20 percent K_2O.....	31,083	83,597
Kainite	19,434	20,703
Other potashbearing materials	60,066	58,857
Other materials containing plant food....	268,859	363,337
Phosphate rock.....	2,0[illegible]	2,3[illegible]
Sulphuric acid purchased and consumed	717,360	880,583
Sulphuric acid made and consumed, basis 50° Baume, total.....	1,161,770	1,305,174
Contact process.....	163,180	52,041
Chamber process.....	998,590	1,253,133
Phosphoric acid, total..	119,754	*...
Phosphoric acid purchased and consumed	12,002	*...
Phosphoric acid made and consumed, basis 50 percent P_2O_5.....	107,752	*...

* No data.

Plant Food Deficiency Diseases Illustrated

"If They Could Speak" a fifty-six page booklet containing ninety-five, four-color illustrations of plant food deficiency diseases in field plants is being distributed by the Chilean Nitrate Educational Bureau. The range of subjects includes boron, calcium, copper, iron, magnesium, manganese, nitrogen, potash and zinc deficiencies in alfalfa, apples, beets, blueberries, cabbage and carrots. Preparation of the material required about eighteen months and involved the development of a practical technique in the direct reproduction of four color plates from Kodachrome transparencies. Those desiring copies of this booklet may obtain them by writing to the bureau, at 120 Broadway, New York, mentioning the REPORTER.

Bids Wanted

Alumina Chloride, Anhydrous: — 1,200 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 956, opening February 19.

Aluminum, Flake: — 5,700 pounds; Navy Purchasing Office, 90 Church street, New York; schedule 2949, opening February 21.

Aluminum, Powder:—10,000 pounds, General Purchasing Officer, Panama Canal, Washington; schedule 4789, opening February 18.

Arsenic Trichloride:—10,000 pounds; Chemical Warfare Service, Edgewood Arsenal, Md.; procurement 956, opening February 19.

Barium Peroxide:—101,250 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1520, opening February 21.

Bismarck Brown:—400 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4789, opening February 18.

Bleaching Material:—2,000 pounds; Quartermaster Supply Officer, San Francisco General Depot, Fort Mason; invitation 928759, opening February 19.

Bone Black:—1,000 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4789, opening February 18.

Enamel:—Supplies of; Purchasing & Contracting Officer, Holabird, Quartermaster Depot, Baltimore; invitation 398-188, opening February 21.

Fish Oil: — 1,750 gallons; for Greenfield, Mass.; Division of Purchases, Sales & Traffic Department of Agriculture, Washington; invitation 1515, opening February 21.

Gasoline, Aviation:—1,800,000 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 1487, opening February 24.

Lard Substitute:—Supplies of during period April to June 30; Procurement Division, Veterans Administration, Washington: invitation 94-S, opening February 24.

Laundry Soap:—2,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; invitation 431-309, opening February 26.

Lead Sulphocyanate:—23,400 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1520, opening February 21.

Lubricating Oil: — 200,000 gallons; Contracting Officer, Materiel Division, Wright Field, Dayton; circular 1526, opening February 26.

Magnesium, Powdered: — 165,750 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1519, opening February 21.
12,000 pounds of Grade B; Commanding Officer, Frankford Arsenal, Pa.; invitation 1519, opening February 21.

Metal Oxide Primer: — 1,000 gallons; Marine Corps, Depot Quartermaster, Philadelphia; schedule 997, opening February 24.

Mercuric Oxide:—600 pounds; General Purchasing Officer, Panama Canal, Washington; schedule 4789, opening February 18.

Naphthalene, Flake: — 20,000 pounds; Quartermaster Depot, Twenty-first & Johnston streets, Philadelphia; invitation 669-492, opening February 26.
10,000 pounds; Contracting Officer, Quartermaster Depot, Atlanta, Ga.; invitation 1355, opening February 17.

Potash Chlorate: — 53,820 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1521, opening February 21.

Rust Preventive Compound: — 12,000 pounds; Quartermaster Supply Officer, Army Base, Brooklyn; invitation 6262-357, opening February 19.

Soap, Powdered:—10,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; invitation 431-309, opening February 26.

Saddle: — 5,000 pounds; Marine Corps. Depot Quartermaster, Philadelphia; schedule 998, opening February 24.

Toilet: — 36,000 pounds; Procurement Division, Treasury Department, Washington; invitation 9608-S3, opening February 19.

Soda, Modified:—14,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Ind.; invitation 431-309, opening February 26.

Phosphate: — 7,000 pounds; Contracting Officer, Quartermaster Corps, Jeffersonville, Indiana; invitation 431,307, opening February 24.

Strontium Nitrate:—201,450 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1520, opening February 21.

Oxalate: — 23,360 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1520, opening February 21.

Peroxide:—198,900 pounds; Commanding Officer, Frankford Arsenal, Pa.; invitation 1520, opening February 21.

Edwal Laboratories Wrecked By Explosion Killing 3

Chicago, Feb. 11, 1941

An explosion today wrecked the Edwal Laboratories, Inc., killing three employees and injuring six others. The chemical laboratory is located on the top floor of a twelve-story building near the loop. The blast blew off part of the roof, punching gaping holes in the ten-inch outer walls of the room where it occurred and shook buildings within a half-mile radius. Among those injured were Dr. Edmund Lowe, president, and Dr. Walter Guthmann, vice-president.

A chemist of the company expressed belief that the explosion occurred in a device used for mixing chemicals for a synthetic mustard oil.

DuPont Export Sales Gained 3% in 1940

Export sales of E. I. duPont de Nemours & Co., Wilmington, were about 8 percent of the company's total sales in 1940, which total was $359,055,655. This compared with 5 percent of the total sales of $298,833,238 in 1939, W. S. Carpenter, jr., reported in his annual report to stockholders. This 3 percent increase in export sales was due largely to sales in South America and in the British Empire of products normally supplied from European sources. Sales in Japan, and in continental Europe since the invasion of France were said to be negligible. Sales of military products to foreign governments were less than one percent of the company's total sales.

Vanadium Corp. Workers Strike at Two Plants

Niagara Falls, N. Y., Feb. 11, 1941

Employees at the factory of the Vanadium Corporation of America walked out today in a strike that officials of the United Mine Workers' Union said was "100 percent effective" among an estimated 300 employees. The union said the strike was called after negotiations for a fifteen-cents-an-hour wage increase failed to reach agreement. Workers at the company's Bridgeville, Pa., plant struck yesterday. The company reputedly has extensive defense industry contracts.

American Smelting & Refining Company has sold the controlling interest in Fisher Brass Company to H. P. Salter, general manager.

Fertilizer Materials

—Continued from page 57

Markets at Other Centers

Atlanta—Feb. 14

The market for fertilizer materials in the Southeast is reported developing slowly. Unfavorable weather for breaking land is considered a factor in the delay. Sulphate of ammonia remains scarce with nitrate of soda plentiful. In view of this situation it is considered that more nitrate of soda will be used in mixed fertilizers than usual. Cottonseed meal is quoted at lower prices and is figuring strongly in the market for organic ammoniates. Nitrogenous material resales have been made in the South at $1.75 though factory prices now are quoted at $1.95 per unit.

SUPERPHOSPHATE.—55c. per unit, interior producing points.

NITRATE OF SODA.—Bulk, port basis, $27 per ton.

SULPHATE OF AMMONIA. — Nominally $28 per ton, port basis.

COTTONSEED MEAL.—8 percent ammonnia, $26.50 to $27 per ton, Eastern mills.

TANKAGE.—Imported, $2.75 and 10c. per unit, ports.

BLOOD. — Imported, $2.50 per unit, ports.

Baltimore—Feb. 14

While some crude fertilizer materials show a measure of firmness, or even an upward tendency, the market as a whole has not emerged from the state of quiet that has characterized it for some time past.

FISH SCRAP.—In North Carolina there was no information of any sales of the ammoniate available, and an absence of offerings was to be noted. Florida producers were asking $51 to $54 per ton for spot, and held to the same price for supplies on a when-and-if-made basis during the season which opens about the middle of April and lasts until July.

SUPERPHOSPHATE.—There was a lack of new developments in the market for this material, with the trading still decidedly quiet and the buying on a very limited scale. Quotations were at $8 per ton for run-of-pile, with 16 percent supplies at $8.50.

TANKAGE. — Uneventfulness in the market continued, with last known sales negotiated at $2.50 and 10c. per unit-ton.

DRIED BLOOD.—A weaker tone was to be noted in this division, with no increase in activity. Last sales were made at $2.55 per unit-ton, f.o.b. New York, for domestic stocks. South Amercan material ranged around $2.50 per unit-ton, c.i.f.

SULPHATE OF AMMONIA.—No change was to be noted in the market for this product during the last week, with business still being done at $45 per ton and with the movement fairly active.

Chicago—Feb. 14

Fertilizer materials in general are firm to steady, with buying in sufficient volume to maintain prevailing values in most of the principal grades of material. Buyers are interested in protecting their immediate needs of blood and tankage. Bone materials are quiet, but holding their own without much difficulty. Inquiries are fair.

BLOOD.—Principal grade, $3 per unit of ammonia.

TANKAGE.—Hight grade, feeding, $3 and 10c.; liquid stick, $1.50 to $1.60; hoof meal, $2.75 to $2.80.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $38 to $40; 3 and 50 percent, $34 to $35; 4½ and 50 percent, $32 to $33; grinding hoofs, pigs' toes and waste horn materials, $34 to $35; cattle jaws, skulls and knuckles, $30 to $35; beef cracklings, soft pressed, $32.50 to $35; pork cracklings, soft pressed, $35 to $37.50; hard pressed cracklings, per unit of protein, 60c. to 65c.

Southern States Cooperative Sales Up 11 Percent in 1940

Baltimore, Feb. 10, 1941.

Sales of the Southern States Cooperative increased 11 percent to $6,934,000 in 1940, it was reported last week at the conference of the regional advisory board. It was also stated that an equity of $2,000,000 had been built up for members and that the organization paid $365,000 in patronage dividends. Membership increased from 89,000 to 100,000.

Chlorine Plant for Australia

The Council for Scientific and Industrial Research is reported to have arranged for the importation into Australia of a chlorine plant. The council is conducting research with the objective of developing an economical process for making wool unshrinkable. No publications furnished data concerning the capacity of the plant, which is to arrive early in 1941, according to the Chemical Division of the Bureau of Foreign and Domestic Commerce.

P. C. A. Red Muriate is ideal in plant operation--Uniform in color--Uniform in analysis--Uniform in grain size.
Muriate of Potash 50% and 60%
Manure Salts
P.C.A.
RED MURIATE
POTASH COMPANY of America
GENERAL SALES OFFICE
MERCANTILE TRUST BUILDING BALTIMORE, MARYLAND
SOUTHERN SALES OFFICE
MORTGAGE GUARANTEE BUILDING
ATLANTA, GEORGIA

Shipping Information

All matter under this heading fully protected by copyright

Imports at U.S. Ports

New York Imports

ACID, TARTARIC—1 dm, American Export Line, Lisbon

ALOE—100 cs, Aruba

ANTIMONY ORE—303 bgs, Chase Natl Bank, Vera Cruz
1,611 bgs, Banco Minero de Bolivar, Antofagasta

ORE, OXIDE—340 bgs, G Wedell, Burma
468 bgs, G Wedell, Burma

ARSENIC—226 bbls, American Smelting & Refg Co, Vera Cruz
84 bbls, New York & Cuba Mail S S Co, Vera Cruz

BABASSU KERNELS—6,460 bgs, General Food Sales Corp, Sao Luiz

BALSAM—4 bbls, Kachurin Drug Co, Puerto Barrios

BONE MEAL—1,113 bgs, Barber & Curratt, Buenos Aires

BONES—3,212 bgs, National City Bank, Montevideo

BRISTLES (Correction)—In previous issue Bowring & Co was credited with 150 cs. Should have read Bank of New York, Rangoon

CADMIUM, FLUE DUST—1,780 bgs, Watson, Geach & Co, Capetown

CANARY SEED—511 bgs, Bunge North American Grain Co, Buenos Aires

CARAWAY SEED—136 bgs, J S Toledano & J M Pinto, Casablanca

CARDAMOM—30 bgs, W E Martin, Puerto Barrios
13 cs, W E Martin, Puerto Barrios
31 cs, P H Petry & Co, Puerto Barrios
1 cs, Volkart Bros, Colombo
88 cs, Dodge & Olcott Co, Colombo
40 cs, Volkart Bros, Mangalore

CAROB BEANS—60 pkgs, Bank of New York, Lisbon

CASEIN—470 bgs, Casein Co of America, Buenos Aires
1,667 bgs, Tupman, Thurlow & Co, Buenos Aires
850 bgs, Casein Co of America, Buenos Aires

CASSIA—100 bls, Otto Gerdau Co, Hongkong
100 bls, I Harrison & Whitney, Hongkong
100 bls, B H Old & Co, Hongkong
100 bls, Jewett & Sherman Co, Hongkong

CASTOR BEANS—16,947 bgs, Bahia
5,000 bgs, Baker Castor Oil Co, Maceio
5,000 bgs, Baker Castor Oil Co, Recife
6,380 bgs, National City Bank, Cabedello
4,745 bgs, Cabedello
1,354 bgs, National City Bank, Cabedello
3,333 bgs, Natal
3,250 bgs, Baker Castor Oil Co, Fortaleza
2,540 bgs, Fortaleza
1,667 bgs, Baker Castor Oil Co, Sao Luiz
3,000 bgs, Baker Castor Oil Co, Fortaleza
3,053 bgs, Guaranty Trust Co, Fortaleza
13,600 bgs, Bahia
9,288 bgs, Bahia
14,400 bgs, Bahia
316 bgs, Baker Castor Oil Co, Victoria
750 bgs, Bank of London South America, Victoria
1,578 bgs, Baker Castor Oil Co, Victoria
1,848 bgs, Spencer Kellogg & Sons, Victoria
1,322 bgs, Bahia
736 bgs, Bahia
43 bgs, Bahia

CATALYST—12 dms, Asiatic Petroleum Corp, Curacao

CINCHONA BARK—419 bls, New York Quinine & Chem Works, Batavia
1,050 bls, Merck & Co, Batavia

CINNAMON—50 bls, C T Wilson & Co, Colombo
50 bls, Volkart Bros, Colombo
50 bls, C T Wilson & Co, Colombo

COCOA BEANS—100 bgs, Transmarine Mercantile Corp, Cape Haitien
190 bgs, Transmarine Mercantile Corp, Cape Haitien
200 bgs, Cape Haiti
255 bgs, Struller & Wood, Jeremie
155 bgs, Jeremie
190 bgs, Struller & Wood, Jeremie
100 bgs, C A Mackey, Jeremie
272 bgs, Struller & Wood, Jeremie
250 bgs, Farr & Co, Trinidad
100 bgs, Wood & Selick, Trinidad
250 bgs, J Aron & Co, Trinidad
250 bgs, Farr & Co, Trinidad
500 bgs, Antoni & Co, Carupano
500 bgs, Banco de Venezuela, Carupano
500 bgs, Carupano
800 bgs, Banco de Venezuela, Carupano
1,600 bgs, Bank of London South America, Bahia
1,000 bgs, General Cocoa Co, Bahia
1,000 bgs, A C Israel Commodity Co, Bahia
250 bgs, Kennedy, Butcher & Co, Trinidad
500 bgs, Wessel, Duval & Co, La Guaira
300 bgs, Machado & Co, La Guaira
200 bgs, Struller & Wood, Cape Haitien
477 bgs, Curacao Trading Co, Puerto Plata
250 bgs, Gillespie & Co, Puerto Plata
600 bgs, Curacao Trading Co, Puerto Plata
500 bgs, Curacao Trading Co, Puerto Plata
1,469 bgs, Curacao Trading Co, Trujillo
54 bgs, Curacao Trading Co, Trujillo
250 bgs, Middleton & Co, Cristobal
100 bgs, W R Grace & Co, Guayaquil
600 bgs, Machado & Co, La Guaira
100 bgs, General Cocoa Co, Puerto Cabello
100 bgs, Meyer & Co, Puerto Cabello
500 bgs, A Canale, Cristobal

COCONUT DESIC—1,540 cs, Philippine Desic Coconut Corp, Manila
1,261 bgs, General Foods Sales Corp, Manila

COCONUT SHELL CHARCOAL—558 bgs, General Foods Sales Corp, Manila
1,024 bgs, American Overocean Corp, Manila

COPAIBA BALSAM—56 cs, Belem

CORIANDER SEED—9,400 bgs, J S Toledano & J M Pinto, Casablanca
1,300 bgs, Fort de France

CORKS—36 bgs, Mundet Cork Corp, Lisbon
8 bgs, E A Jaspar, Lisbon
6 bgs, Penson & Co, Lisbon
30 bls, Panama Pacific Line, Lisbon
58 bls, Cork Import Co, Lisbon
2 bls, H E Botzow, Inc, Lisbon
7 bls, Budde & Westerman, Lisbon
100 bls, T B Smith, Lisbon

CORK SHAVINGS—750 bls, New York & Cuba Mail S S Co, Lisbon

VIRGIN—540 bls, United Cork Co, Lisbon
2,189 bls, United Cork Co, Lisbon

WASTE—2,061 bls, Mundet Cork Corp, Lisbon
820 bls, Mundet Cork Corp, Lisbon
1,979 bls, Mundet Cork Corp, Lisbon
630 bls, Mundet Cork Corp, Lisbon
1,065 bls, H Suhl, Lisbon
2,000 bls, Mundet Cork Corp, Lisbon
307 bls, H Suhl, Lisbon

WOOD—1,810 bls, H Suhl, Casablanca
1,400 bls, Wicander & Co, Casablanca
2,500 bls, H Suhl, Casablanca
265 bls, Cork Trading Corp, Lisbon
178 bls, Wicander & Co, Lisbon
350 bls, Pablo, Calvet & Co, Lisbon
2,000 bls, Cox & Fahner, Lisbon
421 bls, H Suhl, Lisbon
275 bls, William Lazarus & Co, Lisbon
710 bls, Cork Trading Co, Lisbon
150 bls, New York & Cuba Mail S S Co, Lisbon
100 bls, H E Botzow, Inc, Lisbon
429 bls, Pablo, Calvet & Co, Lisbon
321 bls, Pablo, Calvet & Co, Lisbon
651 bls, French American Banking Corp, Fort de France

COTTON LINTERS—109 bls, Commercial Natl Bank Trust Co, Rio Janeiro
61 bls, Chase Natl Bank, Rio Janeiro
6,291 bls, West Texas Cotton Oil Co, Santos
947 bls, West Texas Cotton Oil Co, Santos
1,128 bls, Kanders Steuber Co, Santos
28 bls, Williamson Product Co, Santos
236 bls, Norton Ellis, Inc, Santos
80 bls, Camden Fibre Mills, Santos
283 bls, Williamson Product Co, Santos

COTTONSEED MEAL with Castor Pomace—2,240 bgs, Santos

COTTONSEED MEAL—1,120 bgs, Atlas Traders Toronto Ltd, Puerto Prince
18,262 bgs, Aschcraft, Wilkinson & Co, Santos
5,600 bgs, Wessel, Duval & Co, Santos
6,720 bgs, Santos
4,409 bgs, Wessel, Duval & Co, Santos
4,480 bgs, Union Planters Natl Bank, Santos
12,200 bgs, West Texas Cotton Oil Co, Santos
700 bgs, West Texas Cotton Oil Co, Santos
3,540 bgs, Stern, Stiner & Co, Guayaquil

CUMIN SEED—1,750 bgs, J S Toledano & J M Pinto, Casablanca

DERRIS CHIPS—100 bls, Ledward, Bibby & Co, Iloilo
50 cs, Guaranty Trust Co, Sourabaya

DILLSEED—88 bgs, Biddle Purchasing Co, Bombay
88 bgs, Chemical Bank Trust Co, Bombay
88 bgs, Knickerbocker Mills Co, Bombay
177 bgs, Archibald & Kendall, Bombay
177 bgs, C T Wilson & Co, Bombay
266 bgs, Otto Gerdau Co, Bombay

DIVI DIVI—800 bgs, Continental Bank & Trust Co, Aruba

EARTH—1,125 bgs, Pomeroy & Fischer, Vera Cruz

ERGOT—40 bgs, S B Penick & Co, Lisbon
60 bgs, S B Penick & Co, Lisbon

FENUGREEK SEED—300 bgs, J S Toledano & J M Pinto, Casablanca

FISH SOUNDS—32 bls, Fulton Freight & Forwarding Co, Maracaibo

FLAXSEED—3,164 bgs, 6,960 bus, Buenos Aires
Quantity, Buenos Aires
6,000 tons, Mar del Plata

FLEASEED HUSK—646 bgs, S B Penick & Co, Bombay

GLASS, PLATE—985 cs, Tampico

GLYCERIN—49 dms, Buenos Aires
86 dms, Corn Exchange Bank Trust Co, Buenos Aires
11 dms, Corn Exchange Bank Trust Co, Buenos Aires

GUM, BENZOIN—50 cs, F B Ross & Co, Sibolga
50 cs, Van Norden & Co, Sibolga

CHICLE—15,085 bgs, Mexican Exploitation Corp, Vera Cruz
284 bls, Mexican Exploitation Corp, Progreso
310 bls, Mexican Exploitation Corp, Progreso
913 bls, Chicle Development Co, Puerto Barrios
413 bls, Chicle Development Co, Puerto Barrios
462 bls, Chicle Development Co, Puerto Barrios

DAMMAR—280 bgs, H P Winter & Co, Penang
210 bgs, H P Winter & Co, Penang
350 bgs, H P Winter & Co, Penang
200 cs, Gillespie-Rogers-Pyatt Co, Batavia

KARAYA—280 bgs, Innis, Speiden & Co, Bombay
206 bgs, T M Duche & Sons, Bombay
266 bgs, Jacques Wolf & Co, Bombay
133 bgs, Frank Vliet & Co, Bombay
399 bgs, Innis, Speiden & Co, Bombay
133 bgs, Onyx Chemical Co, Bombay
666 bgs, Jacques Wolf & Co, Bombay
266 bgs, Innis, Speiden & Co, Bombay
667 bgs, Jacques Wolf & Co, Bombay

LABDANUM — 11 dms, Givaudan Delawanna, Lisbon

NESPERO—56 bls, Chicle Development Co, Cristobal

PENDARE—174 bls, Chicle Development Co, Ciudad Bolivar

SANDARAC—86 bbls, J S Toledano & J M Pinto, Casablanca

HOREHOUND LEAVES—80 bls, Fort de France

IPECAC ROOT—9 bls, S B Penick & Co, Rio de Janeiro
19 bls, Wessel, Duval & Co, Rio de Janeiro

IRISH MOSS—141 bls, England

JALAP ROOT—66 bgs, F W Pabst, Vera Cruz

LEAD DROSS—100 dms, Watson, Geach & Co, Durban

MAGNESITE GRAIN—300 bgs, Madras

LUMP—900 bgs, Madras

ORE—1 bg, Sussex Trading Corp, Lourenco Marques

MANGANESE ORE—450 bgs, W R Grace & Co, Antofagasta
2 cs, W R Grace & Co, Rio Janeiro

MANGROVE BARK EXTRACT—4,000 bgs, Saxe Cutch Co, Manila

MEDICINAL PREPS—2 cs, Eulo Product Co, Cristobal
2 cs, American Export Line, Lisbon

MICA—58 cs, American Mica Works, Victoria
40 cs, Marcy Co, Victoria

BLOCK—42 cs, A O Schoonmaker Insulation Co, Calcutta

FILM—21 cs, Wm Brand & Co, Calcutta

SPLITTINGS—150 cs, Mercantile Import & Export Co, Calcutta

MINERALS—117 bgs, Brasilian Mineral Import Co, Rio Janeiro
22 bgs, Cabedello
20 bgs, Royal Bank of Canada, Cabedello
4 dms, R J Saunders & Co, Trinidad
2 cs, W R Grace & Co, Callao

MONAZITE SAND—1,000 bgs, Wolf Aalport Chem Corp, Colachel
3,000 bgs, C Tennant Sons & Co, Colachel

NIGER SEED—134 bgs, Colombo
134 bgs, Colombo

OIL, CASTOR—100 dms, Royal Bank of Canada, Santos

CITRONELLA—30 dms, Batavia
320 cs, Batavia
320 cs, National City Bank, Batavia
30 dms, Batavia
35 dms, Batavia

COD—100 dms, Canada
64 cks, Canada

ESSENTIAL—7 dms, National City Bank, Lisbon
1 ck, French Line, Fort de France

FUEL—10,000 bbls, Asiatic Petroleum Corp, Curacao

GAS—60,975 bbls, Petroleum Mexican Co, Mexico

LAVENDER SPIKE—11 dms, Lisbon

LINSEED, RAW—25 dms, Balfour, Guthrie & Co, Buenos Aires

NAPHTHENIC—55 dms, Tampico

OITICICA — 249 dms, Brown Bros-Harriman Co, Cabedello

OLIVE SULPHUR—744 dms, Lisbon
262 bbls, United Kingdom Comm Corp, Lisbon

ORANGE—1 dm, Phil Chareyer, Port au Prince

PALM—293 tons, Stein, Hall & Co, Belawan Deli

PATCHOULI—4 dms, Guaranty Trust Co, Batavia

PEANUT—1 tin, Bradley & Baker, Puerto Barrios
1 tin, Bradley & Baker, Puerto Barrios

ROSEWOOD—6 dms, Belem

SANDALWOOD—9 cs, Madras

ORANGE PEEL—25 bgs, Transmarine Mercantile Corp, Cape Haitian
178 bgs, Milton M Amster, Port au Prince

ORRISROOT—14 bgs, R H Elmaleh, Fort de France

PAPRIKA—20 bgs, W J Mulvihill, Lisbon
400 bgs, J Navarro, Lisbon
50 bgs, Durkee Famous Food, Lisbon
50 bgs, J Lecroy & Son, Lisbon
150 bgs, J B De Macedo, Lisbon
100 bgs, Safeowl Prod Co, Lisbon
80 bgs, Alexander Menchser, Fort de France

PARAFFIN—4,800 bgs, Asiatic Petroleum Corp, Balik Papan

PATCHOULI LEAVES—66 bls, Volkart Bros, Penang

PEPPER—23 bgs, F W Pabst, Tampico
600 bgs, Tampico

WHITE—492 bgs, Batavia
492 bgs, Batavia

PETROLEUM, CRUDE—82,767 bbls, Barber Asphalt Co, Curacao

PIMENTO—1 bg, Puerto Barrios

QUININE SULPHATE—7 cs, R W Greeff & Co, Batavia
700 cs, Batavia
6 cs, West Africa Line, Tandjong Priok

RAPESEED—200 bgs, Colombo
200 bgs, Colombo

ROOT MED—8 bls, Colombo

SAFFRON FLOWERS—1 cs, Lisbon

SAGO FLOUR—714 bgs, Stein, Hall & Co, Semarang
351 bgs, Stein, Hall & Co, Semarang

SCHEELITE—190 bgs, Chase Natl Bank, Buenos Aires

SENNA LEAVES—40 bls, E Meer & Co, Calcutta

SHELLAC—150 bgs, Schwab Bros, Calcutta
50 bgs, Lind, Mayer & Co, Calcutta
100 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
300 bgs, Mercantile Import & Export Corp, Calcutta
10 cs, Gillespie-Rogers-Pyatt Co, Calcutta
250 bgs, Gillespie-Rogers-Pyatt Co, Calcutta
250 bgs, E E Androvette, Calcutta
50 cs, E E Androvette, Calcutta
100 cs, Mantrose Corp, Calcutta
200 bgs, Mac Lac Co, Calcutta
200 bgs, Ralli Bros, Calcutta
100 bgs, Ralli Bros, Calcutta
250 cs, Mercantile Import & Export Co, Calcutta
100 bgs, Mercantile Import & Export Co, Calcutta

BUTTONLAC—50 bgs, MacLac Co, Calcutta

SEEDLAC—500 bgs, E J Cornelia, Calcutta
500 bgs, Wm Zinsser & Co, Calcutta
250 bgs, MacLac Co, Calcutta
100 bgs, Montrose Corp, Calcutta
100 bgs, Dings & Schuster, Calcutta
300 bgs, Ralli Bros, Calcutta
100 bgs, MacLac Co, Calcutta
200 bgs, Wm Zinsser & Co, Calcutta
200 bgs, MacLac Co, Calcutta
100 bgs, Wm Zinsser & Co, Calcutta
400 bgs, Mercantile Import & Export Co, Calcutta

SILVER SULPHIDES—130 bgs, Bank of Manhattan, Antofagasta

SPONGES—30 bls, Havana

STARCH, MANIOC—425 bgs, Simmonds & Grey, Rio Janeiro

TANKAGE—320 bgs, Wilson & Co, Buenos Aires
475 bgs, Buenos Aires
5,000 bgs, National City Bank, Montevideo

TAPIOCA FLOUR—5 bgs, Bahia
250 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, Chase National Bank, Batavia
1,100 bgs, American Cyanamid & Chem Co, Cheribon
1,001 bgs, W R Grace & Co, Cheribon
500 bgs, American Cyanamid & Chem Co, Cheribon
2,205 bgs, Stein, Hall & Co, Sourabaya
1,000 bgs, American Cyanamid & Chem Co, Batavia

TAPIOCA FLOUR—500 bgs, American Cyanamid & Chem Co, Batavia
250 bgs, H P Winter & Co, Cheribon
750 bgs, Rutger, Bleecker & Co, Cheribon
108 bgs, Havana
500 bgs, W R Grace & Co, Semarang
500 bgs, American Cyanamid & Chem Co, Cheribon
250 bgs, Stein, Hall & Co, Cheribon
250 bgs, Stein, Hall & Co, Batavia
480 bgs, American Cyanamid & Chem Co, Cheribon
290 bgs, Stein, Hall & Co, Cheribon
990 bgs, Stein, Hall & Co, Cheribon
706 bgs, Stein, Hall & Co, Batabia
300 bgs, American Cyanamid & Chem Co, Batavia
500 bgs, Morningstar Nicol, Batavia
500 bgs, American Cyanamid & Chem Co, Batavia
2,675 bgs, Balfour, Guthrie & Co, Pamanoekan
1,088 bgs, Cheribon
6 pkgs, Sino Java Handel, Cheribon
1,750 bgs, Cheribon
250 bgs, Irving Trust Co, Cheribon
750 bgs, Cheribon

TARTAR—21 bgs, W R Grace & Co, Callao
176 bgs, Standard Brands, Lisbon

TEALITE—20 bgs, Watson, Geach & Co, Arica

TOLU BALSAM—10 cs, Wessel, Duval & Co, Barranquilla
10 cs, Barranquilla

TONKA BEANS—25 cks, C Williaim, Trinidad
2 cs, Kennedy, Butcher & Co, Trinidad

TUBA ROOT—15 bls, Dodwell & Co, Singapore
74 bls, Dodwell & Co, Singapore
115 bls, Dodwell & Co, Singapore

TUNGSTEN CONC—14 dms, Irving Trust Co, Buenos Aires
442 bgs, Irving Trust Co, Buenos Aires

TURMERIC—48 bgs, H P Winter & Co, Jacmel

VANILLA BEANS—48 cs, New York & Cuba Mail S S Co, Vera Cruz
51 cs, Norda Essential Oil & Chem Co, Vera Cruz
33 cs, Vera Cruz
14 cs, Vera Cruz
29 cs, M S Kaltenhorn Co, Semarang
21 cs, H P Winter & Co, Semarang
18 cs, H P Winter & Co, Semarang

WAX, BEES—50 bgs, Innis, Speiden & Co, Pelotas
8 bgs, Schutte & Focke, Trujillo
22 bgs, Schutte & Focke, Trujillo
55 bgs, Tampico
16 bgs, F W Pabst, Vera Cruz
45 bgs, D Steengrafe, Havana

CANDELILLA—1,017 bgs, M Argueso & Co, Tampico

CARNAUBA—112 bgs, Rutger, Bleecker & Co, Fortaleza
44 bgs, Fortaleza
56 bgs, W M Allison & Co, Fortaleza
53 bgs, Smith & Nichols, Fortaleza
112 bgs, Rutger, Bleecker & Co, Fortaleza
78 bgs, Fortaleza
167 bgs, Rio de Janeiro
111 bgs, Lenape Trading Co, Rio de Janeiro
23 bgs, Rio de Janeiro
33 bgs, S C Johnson, Rio de Janeiro
111 bgs, Lenape Trading Co, Rio de Janeiro
111 bgs, Rio de Janeiro
34 bgs, Strohmeyer & Arpe Co, Rio de Janeiro
30 bgs, S C Johnson, Rio de Janeiro
56 bgs, Rio de Janeiro
613 bgs, Wm M Allison & Co, Bahia

WINE LEES — 305 bgs, Standard Brands, Lisbon
222 bgs, Lisbon

WOLFRAM ORE—400 bgs, Patuco Mines & Enterprises, Antofagasta
858 bgs, Patuco Mines & Enterprises, Antofagasta

ZINC ASHES—200 dms, Trust Co of North America, Durban

ZIRCONIUM ORE—400 bgs, Central Hanover Bank Trust Co, Santos
300 bgs, Rare Mineral & Metal Co, Victoria

New York Transit Imports

COCONUT DESIC — 200 cs, Philip Levy, Manila, Bridgeport
1,300 bgs, General Foods Sales Corp, Manila, Bridgeport

ERGOT—20 bgs, Parke, Davis & Co, Lisbon, Detroit

MONAZITE SAND—14,000 bgs, Linday Light & Chem Co, Colachel, Chicago

VANILLA BEANS—8 cs, Zink & Triest, Inc, Batavia, Philadelphia

Baltimore Imports

BONEMEAL—3,000 bgs, Tsingtao

CHROME ORE—2,992 tons, Beira

GASOLINE—81,649 bbls, Asiatic Petroleum Corp., Curacao

IRON ORE—21,800 tons, Bethlehem Steel Co, Cruz Grande
21,500 tons, Bethlehem Steel Co, Cruz Grande

MANGANESE ORE—6,300 tons, Vizagapatam
6,910 tons, Vizagapatam

OIL, FUEL—128,499 bbls, Standard Oil Co NJ, Curacao

RUTILE ORE—74 bgs, Bahia

TANKAGE—500 bgs, Santos
3,306 bgs, Buenos Aires

VANADIUM—4,528 bgs, Callao
10,376 bgs, Calao

ZINC CONC—1,511 tons, Callao
3,953 tons, Callao

Boston Imports

COCOA BEANS—300 bgs, Wood & Selick, Trinidad

CORUNDUM—4,628 bgs, Watson, Geach & Co, Lourenco Marques
890 bgs, Watson, Geach & Co, Lourenco Marquees

OIL, COCONUT—515 tons, Philippine Refining Corp, Manila

SHELLAC—200 bgs, Ralli Bros, Calcutta

TAPIOCA FLOUR—350 bgs, Rutger, Bleecker & Co, Cheribon
250 bgs, Catz American Co, Cheribon
247 bgs, Rutger, Bleecker & Co, Cheribon
250 bgs, Catz American Co, Cheribon
300 bgs, H P Winter & Co, Batavia
500 bgs, H P Winter & Co, Batavia

Los Angeles Imports

AMMONIA PHOSPHATE—410,000 lbs, Trail
CHALK, PRECIP—27,560 lbs, Osaka
CHILLIES—5,000 lbs, Kobe
CINNAMON, QUILL—100 pkgs, 10,000 lbs, Colombo
CLOVES—50 bls, 7,100 lbs, Zanzibar
COCONUT, DESIC—4,752 pkgs, 525,980 lbs, Manila
COCONUTS—100 bgs, 15,000 lbs, Morant Bay
11,900 lbs, Samoa
COPRA—2,231,900 lbs, Manila
FISH LIVERS—2,321 tins, 92,840 lbs, Yokohama
126 tins, 5,040 lbs, Japan
128 tins, 5,120 lbs, Yokohama
GUM, COPAL—22,400 lbs, Macassar
DAMMAR—4,470 lbs, Singapore
LIME, PROCESSED—1,320 bgs, 79,860 lbs, Vancouver
NUTMEGS—5,640 lbs, Sourabaya
OIL, CITRONELLA—5 dms, 2,820 lbs, Batavia
EUCALYPTUS—7 dms, 2,910 lbs, Melbourne
SHARK-LIVER—46 dms, 18,660 lbs, Vancouver
PAPRIKA, GRD—25 bgs, 2,750 lbs, Valencia
PEPPER, BLACK—450 pkgs, 68,000 lbs, Tandjong Priok
134 sks, 22,400 lbs, Batavia
WHITE—450 sks, 22,000 lbs, Tandjong Priok
165 bgs, 22,400 lbs, Tandjong Priok
SHELLAC—36,080 lbs, Calcutta
SEEDLAC—49,200 lbs, Calcutta
TAPIOCA FLOUR—30,000 lbs, Dutch East Indies
TOILET PREPS—70 lbs, London
WAX, SPERMACETTI—2,400 lbs, Glasgow

New Orleans Imports

GUM, CHICLE—20 tons, Puerto Barrios
19 tons, Belize

Norfolk Imports

CORKWASTE—125 bls, National Bank of Comm, Lisbon
180 cs, National Bank of Comm, Lisbon
179 bls, National Bank of Comm, Lisbon
341 cs, National Bank of Comm, Lisbon
1,520 bls, Michell & Smith, Lisbon
1,469 bls, Michell & Smith, Lisbon
1,411 bls, Michell & Smith, Lisbon
2,381 bls, Michell & Smith, Lisbon
STARCH, MANIOC—368 bgs, Perkins Glue Co, Rio de Janeiro
TAPIOCA FLOUR—1,002 bgs, H P Winter & Co, Batavia

Philadelphia Imports

BERYLLIUM ORE—3,237 bgs, Buenos Aires
CANARY SEED—775 bgs, H S Cramer & Co, Inc, Buenos Aires
2906 bgs, Balfour Guthrie & Co, Buenos Aires
3,364 bgs, Buenos Aires
CASEIN—425 bgs, Casein Company of America, Buenos Aires
CHROME ORE—750 tons, Phila National Bank, Beira
MANGANESE ORE—4,000 tons, Phila National Bank, Durban
MOLASSES—1,243,312 gls, Publicker Alcohol Corp, Pastelillo
383,324 gls, Publicker Alcohol Corp., Manopla
117,944 gls, Publicker Alcohol Corp., Cienfugos
1,100,196 gls, E I DuPont de Nemours & Co, Inc, La Romana
288,353 gls, E I DuPont de Nemours & Co, Inc, San Pedro de Marcoris
1,390,217 gls, E I DuPont de Nemours & Co, Inc, Port Tarafa
MUSTARD SEED—560 sacks, R T French Co, Tientsin
MYROBALANS—2,662 pockets, Guaranty Trust Co, New York, Calcutta
OIL, CORNMINT—5 cs, The Hessel Laboratory, Kobe
PETROLEUM, CRUDE—120,459 bbls, Gulf Oil Corp, Puerto la Cruz
80,997 bbls, Gulf Oil Corp, Puerto la Cruz
25,330 bbls, Gulf Oil Corp, Puerto la Cruz
114,000 bbls, Sinclair Navigation Company, Tampico
120,239 bbls, Sun Oil Co, Las Piedras
RAPESEED—775 bgs, H S Cramer & Co, Buenos Aires
TANKAGE—1,064 bgs, Buenos Aires
TANNING EXTRACT—1,016 bgs, The Tannin Corp, Durban
WAX, CARNAUBA—28 sacks, Ceara

Wilmington Imports

QUEBRACHO EXTRACT—4,159 bgs, Tannin Corp, Buenos Aires
2,678 bgs, Tannin Corp, Buenos Aires
5,083 bgs, Tannin Corp, Buenos Aires
4,317 bgs, Tannin Corp, Buenos Aires
1,565 bgs, Tannin Corp, Buenos Aires
7,133 bgs, Tannin Corp, Buenos Aires

Imports Detained

Detentions recently effected at various ports by United States authorities on determination by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drug and cosmetic act, or did not comply with other customs regulations, included the following articles for the reason stated:—

New York

Week Ended February 12

Cinnamon bark, 23 bags; not cinnamon bark.

Medicinal preparations, 4 cases; new drug.

Peppermint oil, dementholized, 6 cases; restricted use.

Pollack liver oil, 1,047 drums; restricted use.

Sesame seed, 360 bags; filthy.

Shark livers, 7 drums; decomposed.

Boston

Week Ended February 12

Medicinal preparation, 1 case; false therapeutic claims.

Los Angeles

Week Ended February 6

Medicinal, 500 pieces; false therapeutic claims.

San Francisco

Week Ended February 6

Medicinal, 9 pieces; false therapeutic claims.

Nutmegs, 4,231 pounds; decomposed.

Seattle

Week Ended February 6

Medicinal, 2 pieces; new drug.

Exports from U.S. Ports

Los Angeles Exports

ACID, BENZOIC—50 lbs, Hongkong
BORIC—4,200 bgs, 470,400 lbs, Liverpool; 200 bgs, 22,050 lbs, Rio Janeiro; 240 bgs, 26,460 lbs, Santos; 180 bgs, 20,160 lbs, Calcutta
ALGINATE—20 dms, 1,000 lbs, Belawan Deli
ALUMINUM POWDER—300 lbs, Hongkong
ASPHALT—80 bbls, Manila; 25 dms, 11,000 lbs, Buenos Aires
BITUMEN—7,090 lbs, Hongkong
BLACK, CARBON—200 lbs, Hongkong; 92 bgs, 9,200 lbs, Sao Paulo
BORATE—5,546 bgs, 1,069,080 lbs, Osaka
BORAX—500 bgs, 55,120 lbs, Shanghai; 500 bgs, 56,000 lbs, Hongkong; 8,800 bgs, Liverpool
CALCIMINE—3,000 lbs, Manila
CLAY, ACTIVATED—1,120 sks, 56,000 lbs, Batavia
CLEANER—600 lbs, Iloilo; 2,400 lbs, Hongkong; 200 lbs, Sao Paulo; 1,000 lbs, Buenos Aires
COBALT ACETATE—200 lbs, Hongkong
COLOR, DRY—500 lbs, Hongkong; 2,000 lbs, Hongkong
DIATOMACEOUS EARTH—5,722 bgs, 571,060 lbs, Liverpool; 10 bgs, 1,000 lbs, Panama City; 200 bgs, 20,000 lbs, Rio Janeiro
DIBUTYL PHTHALATE—6 dms, 2,880 lbs, Hongkong
ETHYLENEGLYCOL MONOETHYLETHER ACETATE—860 lbs, Hongkong
FILM SCRAP—66 cs, 20,120 lbs, Liverpool; 610 lbs, Shanghai
GASOLINE—9,684 bbls, Tokuyama
GREASE, LUBRIC—23 pls, 9 cs, 360 lbs, Bangkok; 300 dms, 149,600 lbs, Tientsin
LACQUER—850 lbs, San Juan; 730 lbs, Santurce; 70 lbs, Asuncion
THINNER—8,800 lbs, San Juan; 880 lbs, Santurce; 880 lbs, Yuaco; 50 lbs, Asuncion
LARD SUBSTITUTE—1,750 lbs, Manila
LITHARGE—550 lbs, Hongkong
LUBRICANTS—130 lbs, Manila
MEDICINAL PREPS—330 lbs, Manila
OIL, CASTOR—4 dms, 1,710 lbs, Hongkong
DIESEL—3,456 bbls, Coquimbo; 1,448 bbls, Porto Armuelles; 19,165 bbls, Japan; 69,550 bbls, Genzan; 43,238 bbls, Brunswick; 6,131 bbls, Tsurumi
ESSENTIAL—130 lbs, Manila
FUEL—49,687 bbls, Tocopilla; 45,138 bbls, Chanaral; 56,618 bbls, Balboa; 78,168 bbls, Tsurumi; 46,061 bbls, Brunswick
LUBRICATING—25 cs, Bangkok; 30 dms, Manila; 51 pkgs, Manila; 60 dms, Yuaco; 3,067 dms, Tientsin; 2 cs, 1 bbl, Medan; 203 pkgs, Macassar
OLEO—2,120 lbs, Hongkong
PAINT—100 lbs, Hongkong
PALM, HYDROG—1,000 bgs, 100,000 lbs, Manila; 10,080 lbs, Cebu
SALAD—5,390 lbs, Manila; 20 cs, 1,540 lbs, Manila
SARDINE—440 lbs, Hongkong
VEGETABLE, FLAKE—60,000 lbs, Manila
PAINT, PREP—90 lbs, Balboa
PECTIN, CITROUS—1,200 lbs, London
PETROLEUM, CRUDE—65,012 bbls, Tokuyama
GAS, LIQ—3,380 lbs, Manila
RESIN, SYNTH—300 lbs, Hongkong
SYNTHETIC, SOLUT—2,790 lbs, Hongkong
SARDINE MEAL—200 bgs, 20,000 lbs, Manila
SILICATE—1,100 bgs, 121,250 lbs, Buenos Aires
SODA, CAUSTIC—560 lbs, Manila
STEARIN, COTTONSEED—67,000 lbs, Barranquilla
TALC—20 bgs, 2,000 lbs, Panama City, 55 bgs, 11,000 lbs, Rio Janeiro
TITANIUM OXIDE—6,000 lbs, Hongkong
TOILET PREPS—890 lbs, Shanghai; 1,840 lbs, Hongkong; 770 lbs, Manila; 920 lbs, San Juan; 1,440 lbs, Manila
ZINC, STEARATE—200 lbs, Hongkong

New Orleans Exports

ACID, STEARIC—23 tons, Vera Cruz
ALUMINA SULPHATE—162 tons, Cristobal
ASPHALT—45 tons, Belize; 67 tons, Stann Creek, B H; 167 tons, West Coast South America
BARYTES—26 tons, Havana
BISULPHIDE—23 tons, Tampico
BREWERS' GRITS—20 tons, Santiago
FIRECLAY—10 tons, Cristobal
GASOLINE—32 tons, Belize
GLYCERIN—7 tons, Vera Cruz
GREASE, LUBRIC—18 tons, Cristobal
KEROSENE—28 tons, Belize; 11 tons, Puerto Barrios; 13 tons, Balboa; 16 tons, Cristobal; 4 tons, Puerto Cabezas; 1 dm, Celba
LARD—76 tons, Havana; 43 tons, Puerto Limon; 158 tons, Santiago; 15 tons, Cristobal; 17 tons, Vera Cruz
LIME, HYDRATED—90 tons, Puerto Barrios
LUBRICANTS—79 tons, Vera Cruz
OIL, COTTONSEED—42 tons, Cristobal
DIESEL—19 tons, Belize; 78 tons, Puerto Cabezas; 104 tons, Celba
FUEL—273 tons, Celba
LUBRICATING—21 tons, Cristobal; 51 tons, West Coast South America
OILMEAL—51 tons, Havana
PARAFFIN—43 tons, West Coast South America
ROSIN—23 tons, Cristobal; 121 tons, West Coast South America
SALT—20 tons, Belize; 16 tons, Bluefields; 81 tons, Havana
STEARIN—29 tons, Vera Cruz
SULPHUR—7 tons, Celba
TANNING EXTRACT—23 tons, Vera Cruz
TURPENTINE—7 tons, West Coast South America
WAX—29 tons, Tampico; 121 tons, Vera Cruz

Philadelphia Exports

ACID, FORMIC—9 dms, 25 cbys, Rio de Janiero
ALUMINA SULPHATE—165 bgs, Santos
BENZOL—14 dms, Rio de Janiero; 40 dms, Rio de Janiero
DYEWOOD EXTRACT—14 bbls, Rio de Janiero
OIL, LUBRIC—50 dms, and 260 cs, Santos; 96 dms, Cears; 89 dms, Yokohama; 1,310 dms, Osaka; 1,330 dms, Kobe

Foreign Trade Rules

Information recently published by the Department of Commerce on foreign tariff and related trade regulations include the following:—

Palm Oil:—An agreement, relating to the French Cameroons, to be followed soon by one relating to French Equatorial Africa, has been concluded with General de Gaulle's Council of Defense, under which the British government undertakes to purchase the entire output of palm kernels, palm oil, and peanuts.

Parcel Post:—The parcel post service from the United States to Iran has been resumed. Service from the United States to Iraq has also been resumed, effective at once.

Pigments:—Germany has extended restrictions which were placed on the manufacture of chemical and mineral earth pigments on July 1, 1934. The original restrictions have been in effect since August 1, 1934, and apply to the Old Reich, Austria, and the Sudetenland. The pigments include white lead, red lead, litharge, zince white, lithopone, and various mineral pigments.

Saccharin:—Norway permits the sale of saccharin, including that in tablets, for non-medicinal purposes.

Saccharin:—France has increased the internal tax on saccharin and other artificial sweetening substances or similar products manufactured there from 550 to 830 francs per kilogram.

Soaps: — Soap imported, manufactured or sold in Egypt must not contain any proportion of poisonous or caustic materials, such as arsenic and the metals and salts of antimony, copper, lead and mercury, nor any coloring material harmful to the health.

Stearin:—Greece has levied for welfare purposes a tax of 27 drachmas per net kilogram on imports on stearin, unrefined ozocerite and carnauba wax.

Coastwise Shipments

Los Angeles Coast Trade

GASOLINE—10,836 bbls, San Diego; 75,004 bbls, Richmond; 58,358 bbls, Seattle; 14,717 bbls, San Diego; 60,920 bbls, San Francisco; 1,425 bbls, San Diego; 3,923 bbls, San Diego; 2,910 bbls, San Diego; 760 lbs, San Diego; 1,889 bbls, San Diego; 10,988 bbls, Oleum; 2,529 bbls, San Diego; 2,521 bbls, San Diego; 1,434 bbls, San Diego; 68,000 bbls, San Francisco; 17,277 bbls, Avon; 10,888 bbls, San Diego;
OIL, DIESEL—12,987 bbls, Portland; 12,111 bbls, Seattle; 2,151 bbls, San Diego; 5,649 bbls, San Francisco; 47,966 bbls, Portland; 2,174 bbls, Oleum; 2,385 bbls, San Diego; 1,485 bbls, San Diego; 10,000 bbls, San Francisco
FUEL—73,051 bbls, Richmond; 63,354 bbls, Portland; 17,849 bbls, San Diego; 34,145 bbls, Oleum; 74,985 bbls, El Segundo; 63,655 bbls, Avon; 68,007 bbls, El Segundo; 1,700 bbls, San Francisco; 67,515 bbls, Portland; 73,096 bbls, Richmond
FURNACE—2,046 bbls, Seattle; 2,209 bbls, San Diego; 14,312 bbls, San Francisco; 7,263 bbls, Portland; 2,207 bbls, Oleum; 3,700 bbls, San Francisco

CLEANING MILLING
GUMS, DRUGS
FOOD PRODUCTS
To
Your Specifications
Try
Gruman's Service
Telephone MArket 3-3491
J. B. GRUMAN CO.
St. Francis, Komorn and Maine Sts.
Est. 1854 NEWARK, N. J.

Current Market Quotations

Zinc. Sulph.—Zirconium

—Continued from page 23

Zinc sulphate, cryst., bgs., c.l..	100 lbs.	3.00	- —
l.c.l.	100 lbs.	3.75	- —
bbls., c.l.	100 lbs.	3.15	- —
l.c.l.	100 lbs.	3.90	- —
flake, bgs., c.l.	100 lbs.	3.85	- —
l.c.l.	100 lbs.	4.10	- —
bbls., c.l.	100 lbs.	3.60	- —
l.c.l.	100 lbs.	4.25	- —
powd., bgs., c.l.	100 lbs.	4.70	- —
l.c.l.	100 lbs.	5.45	- —
bbls., c.l.	100 lbs.	4.85	- —
l.c.l.	100 lbs.	5.60	- —
Sulphide, bgs., c.l. (20 tonz), dlvd..lb.		.07¾	- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb.		.08	- —
bbls., c.l., 20 bbls., c.l. (20 tons), dlvd..lb.		.08	- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb.		.08¼	- —
barium, pigment, bgs., c.l., dlvd..lb.		.05¼	- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb.		.05½	- —
calcium pigments, bgs., c.l., dlvd..lb.		.05¼	- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb.		.05½	- —
magnesium, pigment, bgs., c.l., dlvd..lb.		.05½	- —
l.c.l., dlvd., E. or ex whse., Pac. cst..lb.		.05¾	- —
Sulphocarbonate, NF, bbls., dms..lb.		.24	- .29
Zinc-ammonia chloride, dms., c.l., works..100 lbs.		5.15	- —
l.c.l., works	100 lbs.	5.50	- —
Zinc-iron oxide, pigment, bgs., c.l., dlvd..lb.		.05¼	- —
l.c.l., dlvd., except Pac. cst..lb.		.05¾	- —
ex whse., Pac. cst..lb.		.05¾	- —
Zirconium nitrate, kgs., works.lb.		3.00	- 4.00
Oxide, crude, 70-75%, gr., bbls., works..ton.		75.00	-100.00
white, 98%, grd., kgs., works, lb.		1.80	- 2.00

Synthetic Resins

and other

Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the Feb. 3 issue; the next printing will be in the Mar. 3 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish and Lacquer Materials market which begins on page 37.

Western Dry Color Names Reed to Succeed Beer

Frederick A. Beer has been elected chairman of the board of the Western Dry Color Company, Chicago. He has been succeeded as president of the company by Lawrence Reed, son of the Late R. N. Reed, founder of the company. Rufus M. Reed, jr., has been elected vice-president and secretary, and P. M. Rauen has been named treasurer.

Mr. Beer, who has been prominently identified with the color industry for fifty-six years, while relinquishing his active duties with the company, will retain his interest with the company. The new president was graduated from the University of Chicago in 1929 and became associated with the company in 1930. The new vice-president has been in charge of the company's technical department.

Western N.Y. Paint Club Hears Engerud on Oils

Buffalo, Feb. 11, 1941

Karl Engerud, technical director of Falk & Co., Pittsburgh, was guest speaker at the February meeting of the Western New York Paint, Varnish and Lacquer Association. He discussed "The Importance and Necessity of Using Available Raw Materials to Replace Imported Oils."

Edward J. Zimmer, chairman of the program committee, reported that the club's next meeting in March would feature a program by Krebs Pigment & Color Corporation. H. R. Johnston, chairman of the technical committee, reported that his committee had met recently and made plans for handling of a series of six problems. Three of these problems will be handled by the club itself and the other three in co-operation with Canisius College.

Industrial Uses of Chemicals and Related Materials

(Formerly Styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

Fully protected by copyright

Seven-hundred-thirty-sixth Recapitulative Instalment

(Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Aminoethylmorpholin

Chemical

Suggested as intermediate in making—
Emulsifying agents
Rubber vulcanization accelerators

Dye

Suggested as intermediate in making—
Dyestuffs

Butyldichloroarsin, Normal

Military

As a military poison gas

1:4-Bis-(para-anilinesulphonamido)benzene

Pharmaceutical

Claimed (Brit. 502173) as—
Therapeutically valuable product for treating bacterial infectious diseases

3-Chlor-10-diethylaminoethylaminoacridin Dihydrochloride

Pharmaceutical

Claimed (Brit. 441007, 441132, and addition to 363392) as—
New pharmaceutical

Decyliso-oxazolone

Photographic

Nondiffusible color-former (Brit. 502665) in—
Color photography

Ethyl-N-heptylacetoisobutylamide

Insecticide

Toxic agent (Brit. 503490 and 503507) in—
Insecticidal preparations

Guanidin Stearate

(Stearate de Guanidine, Stearate Guanidinique, Stearate de Uree Iminique, Stearinsauresiminoharnstoff, Talgsauresiminoharnstoff)

Cosmetic

Suggested as emulsifying agent in making various creams

Hydroxytridecylic Acid

Chemical

Reactant in—
Organic syntheses
Starting point (Brit. 416631) in making—
Nitriles, with ammonia

Lime Sulphur

Dry or Evaporated Form

Agricultural

Toxicant-carrier and toxic dusting agent for—
Apples and other pome fruits in controlling—
Blotch Scab
Peaches, plums, and other stone fruits, in controlling—
Brown rot Scab
Curculio
Substitute for—
"Solution" form (see below)

Insecticide and Fungicide

This form is made by evaporating the water from the "solution." In comparison with that form it has both advantageous and disadvantageous characteristics which may be summed up as follows:—

1. It is not so potent a fungicide
2. It is not so dangerous to plant tissue
3. It is safer to use
4. It is easier to handle
5. It is less efficient
6. It is more expensive to use

Farmers buy it in large quantities, but it is more adaptable to the small package, home-garden trade

"Solution" Form

Agricultural

Toxicant-carrier and toxic spraying agent for—
Apples and other pome fruits, in controlling—
Aphids Mildew
Blister mite Red mite
Bud moth Scab
Canker worm Scale insects
Case bearer Tent caterpillar
Curculio
Frogeye leafspot
Cherries, in controlling—
Brown rot Scale
Curculio Slug
Leafspot
Grapes, in controlling—
Anthracnose Scale
Dead arm
Peaches, plums, and other stone fruits, in controlling
Leaf curl Scale insects
Small fruits, such as strawberries, raspberries, currants, blackberries, and the like, in controlling—
Anthracnose Red mite
Aphis Rose scale
Leafspot San Jose scale
Powdery mildew

Insecticide and Fungicide

Contact insecticide
Fungicide

Methoxymethyl(ethoxymethyl) Phthalate

Adhesives

Plasticizer (U.S. 2115709) in—
Adhesive compositions containing synthetic resins and cellulose esters or ethers

Ceramic

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Plasticizer (U.S. 2115709) for—
Cellulose esters or ethers
Synthetic resins

Cosmetic

Plasticizer (U.S. 2115709) in—
Nail enamels and lacquers containing cellulose esters or ethers as base material

Electrical

Plasticizer (U.S. 2115709) in—
Insulating compositions, containing snythetic resins and cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Glass

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for protecting and decorating glassware

Leather

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of artificial leather and as coatings for protecting and decorating leather and leather goods

Metal Fabricating

Plasticizer (U.S. 2115709) in—
Coating compositions, containing synthetic resins and cellulose esters or ethers, used for protecting and decorating metallic articles

Miscellaneous

Plasticizer (U.S. 2115709) in—
Coating compositions, containing synthetic resins and cellulose esters or ethers, used for protecting and decorating articles of various sorts

Paint, Varnish, and Lacquer

Plasticizer (U.S. 2115709) in—
Paints, varnishes, lacquers, enamels, and dopes containing synthetic resins and cellulose esters or ethers

Paper

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp

Photographic

Plasticizer (U.S. 2115709) in making—
Films from cellulose esters or ethers

Plastics

Plasticizer (U.S. 2115709) in making—
Laminated fiber products
Molded products
Plastics from or containing synthetic resins and cellulose esters or ethers

Resins

Plasticizer (U.S. 2115709) for—
Synthetic resins
Plasticizer (U.S. 2115709) in making—
Artificial resins from or containing cellulose esters or ethers

Rubber

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Stone

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as coating for decorating and protecting artificial and natural stone

Textile

Plasticizer (U.S. 2115709) in—
Compositions, containing cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Plasticizer (U.S. 2115709) in—
Compositions, containing synthetic resins and cellulose esters or ethers, used as protective and decorative coatings on woodwork

Monochloroisothymol

Adhesives

Preservative for—
Adhesive compositions of various kinds
Glues

Chemical

New chemical in stable liquid form, soluble in alcohols, hydrocarbons, oils, chloroform and similar solvents, also in dilute aqueous caustic solutions

Disinfectant

New product offering—
Generally high phenol coefficient against bacilli of all types

Glue

Preservative for—
Glue Gelatin

Ink

Preservative for—
Inks

Leather

Preservative for—
Dressing compositions
Finishing compositions

Miscellaneous

As a general preservative

Paint, Varnish, and Lacquer

Inredient of—
Fungiproof coatings
Preservative for—
Distempers and mural paints
Paints
Sizes
Wallpaper pastes

Paper

Preservative for—
Sizes

Photographic

Preservative for—
Emulsions
Pastes
Sizes

Textile

Preservative for—
Sizes

Stearylacetanilideparacarboxylic Acid

Photographic

Nondiffusible color-former (Brit. 502665) in—
Color photography

Tetranonylthiuram Monosulphide

Rubber

Accelerator and improver (Brit. 499935) in—
Vulcanizing process (without trouble from prevulcanization)

Thallium Formate-Malonate

Analysis

Flotation agent in determining—
Density of mineral specimens (said to offer advantages when samples are small)

Mining

Flotation agent in separating—
Silver, gold, platinum and other metals from their ores (said to offer advantages in treating ores where the metal is in the free state)
(See also: "Analysis" above)

Uses and Applications *of Chemicals and Related Materials* • A cloth-bound book of 665 pages (6 x 9) containing information similar to that above on 5167 materials • **$10** postage paid in U. S. 39c postage elsewhere

Business Wants and Offers

Minimum rate (up to 36 words), without display, $2.00 per insertion; 25c for each additional 6 words
Payable in advance at 59 John Street, New York

Agencies Wanted

ESTABLISHED CINCINNATI firm would be interested in representing producers of pigments, chemicals or related materials in part of Ohio and Kentucky. BOX 378, Oil, Paint and Drug Reporter.

YOUNG SOUTH American medical student, master of the dual languages, would accept representation to push the sale of U. S. medicines and chemical products in the Argentine Republic or territory adjacent to his home town. Address T. A. H., 1272 Calle Roma, Cordoba, Argentine, S. A.

Agents Wanted

WE MANUFACTURE long proven line of stains, lacquers, and sealers for the furniture industry and want representatives to sell on commission either on territory or account basis. Or will manufacture any or all items for manufacturers now selling to furniture trade whose line does not include these items. BOX 376, Oil, Paint and Drug Reporter.

Businesses Wanted

WE WANT to buy a business in proprietary medicines or ethical pharmaceutical preparations—preferably two or three items. Need not have a national sale but annual turnover of, say $25,000 and upwards. Should have made reasonable profits over a period of recent years. We are not brokers. Have had experience in sale of medicines and pharmaceuticals for many years. All correspondence will be considered confidential. BOX 383, Oil, Paint and Drug Reporter.

Equipment Offered

SPECIALS FROM stock:—3, 5 and 40-gal. Day pony mixers; Ross 4 ft. 8 in. putty chaser; pebble and ball mills, laboratory to 1,000 gals.; A. T. & M. 10½ in. rubber-lined centrifugal, motor driven; 3 8 in. laboratory stone mills; colloid mills; Shriver 30 in. steam jacketed filter press; 5 26 in. stone mills with iron mill feeds; Day jumbo mixer, 680 gals.; filter presses, 12 in. to 36 in., cast iron and wood; dry powder mixers; vacuum pans, etc. Send for latest bulletins. Brill Equipment Corporation, 183 Varick street, New York City.

EQUIPMENT For Chemical and Allied Industries

1—Premier Colloid Mill, 6".
1—Day Laboratory 3-Roll Mill, 5x12".
1—Hurrell Homogenizer with 40 H.P. Motor.
1—Eureka Mixer, 38"x36"x9' long.
1—Unjacketed W&P Bronze Mixer, 30-gals.
3—Pony Mixers, 8-gals., 15-gals. and Laboratory.
2—Day Powder Mixers, 30"x30"x6½' long.
1—Oliver Laboratory Continuous Filter, 8x37".
2—Copper Jacketed Kettles, approx. 200-gals.
13—Copper Varnish Kettles with Trucks, 150-gals.
1—Copper Jacketed Still, 50-gals., with 6" Copper Condenser, and 8" Copper Column.
2—DeLaval No. 600 Centrifuges.
2—Devine and Stokes Rotary Vacuum Dryers, complete with Condensers, Dust Collectors and Pumps.
50—Steel Tanks, from 500-gals. to 20,000-gals.

Send us your list of Surplus Equipment.

R. Gelb & Sons, Box 25, Clinton Hill Sta. Newark, N.J.
Tel. Bigelow 3-2550

Equipment Offered

FOR SALE—Two 6x8 ft. pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FOR SALE:—40 gal. copper vacuum still, condenser receiver and vacuum pump; 3 ton Frick refrigerating unit (practically new) complete with 200 gal. brine tank and circulating pump. Not a dealer. BOX 367, Oil, Paint and Drug Reporter.

PLANT LIQUIDATIONS:—Three powder mixers, 2,000 to 3,500 lbs.; three rotex sifters, 20 in. x 42 in., 20 in. x 48 in. and 20 in. x 84 in., single and double deck; Ing. Rand. vac. pumps, 18 in. x 6 in. and 8 in. x 5 in.; Bartlett & Snow vert. dryer, 6 ft. dia.; five 32 in. x 32 in. cast-iron filter presses; Tyler Hummer screen, 4 ft. x 5 ft.; Proctor 2-truck dryer; Oliver 3 ft. x ½ ft. lab. rotary filter; No. 7 and No. 10 Sweetland filters; U. S. lab. colloid mill; four 7x5 ft. pebble mills; 12x30 and 16x40-inch 3-roll mills; 3x8 ft. rotary steam tube dryer; vacuum shelf dryers; vacuum pumps; No. 00, No. 0 and No. 1 Raymond mills; jacketed, agitated vacuum stills; kettles and tanks; Hammer mills; crushers and pulverizers; centrifugals; tablet machines, ½ in. to 2½ in.; filter presses to 36 in. sq.; disc filters; iron mills; portable agitators; rotary and centrifugal pumps, powder and paste fillers and mixers, bottle fillers and washers. Only partial listing. Write for liquidation bulletin L-17, chemical bulletin No. 128, and pharm. bulletin No. 113. We buy your surplus machinery. Stein Equipment Corp., 426 Broome street, New York City.

FOR IMMEDIATE delivery: Abbe Engineering porcelain-lined motor-driven pebble mill, 30x36; Abbe single and quadruple motor-driven jar mills; Stokes F motor-driven single-punch and rotary B tablet machines. Send us your list of surplus. Machinery & Equipment Corp., 59 E. 4th street, New York City.

PEBBLE MILLS, 30x24 porcelain lined, 36x42, 36x60, 60x60, 4½x13 ft. silex lined; jar mills, 1 and 4-gallon; Proctor 2-truck dryer. Lawler Company, Dunham avenue and L. V. R. R., Metuchen, N. J.

Equipment Wanted

WANTED—For chemical plant, filter press, jacketed kettle, vacuum dryer, powder mixers, pulverizer. No dealers. BOX 356. Oil, Paint and Drug Reporter.

WANTED—45 K W diesel, modern type, complete high velocity evaporator; Kestner type, capacity 3,000 cu. ft. per hour; glue shot tower drier. Reply, Schellenberg, 152 68th street, Brooklyn, N. Y.

Factories Offered

BRICK FACTORY, 8,500 sq. ft., two-story, concrete floors, high ceilings, elevator, live steam available, yard, railroad siding; unrestricted district Newark, N. J. The R. L. Kraft Company, Woolworth Building, New York City. COrtlandt 7-9377.

Factories Wanted

SMALL PAINT or lacquer factory wanted in metropolitan New York area. Would buy part interest or complete plant. BOX 343, Oil, Paint and Drug Reporter.

Materials Wanted

WILL PURCHASE your surplus and discontinued lots of chemicals, oils, waxes, dyes, intermediates, dry colors, greases, metals and other raw materials and by-products. Also entire plants. Consult inventory and plant superintendent. Barclay Chemical Co., Inc., 75 Varick street, New York. Telephone WAlker 5-4250.

Positions Vacant

CHEMIST - TECHNICAL director — Nationally known plant, 35 miles from New York City, seeks a top-flight executive chemist experienced in varnished coated fabrics, silks, cottons and papers, electrical insulations. One who knows varnish and synthetic resin formulations for the specialty coating trades. A most exceptional opportunity for a truly experienced man with a record of actual achievement. State in detail full particulars, age, salary, etc. All applications will be treated confidentially. BOX 384, Oil, Paint and Drug Reporter.

RESEARCH CHEMIST with good experience in varnish, lacquer and synthetic finishes industry, required to take charge of research, located Chicago area, responsible only to management. State full particulars of age, education, past experience and compensation desired. Applications will be kept in strictest confidence. BOX 385, Oil, Paint and Drug Reporter.

Positions Wanted

MAN with good chemical background and 15 years' experience in manufacture of sulphonated oil, soluble oils and textile products desires new connection. BOX 363, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, long experience on construction, maintenance, operation, process development. Aggressive, tactful, hard worker, with executive ability. Protestant. U. S. citizen. Coaltar, coke, petroleum, and all related chemical products. Immediate placement. Any location. A. L. Miller, 1824 Wynnewood road, Philadelphia, Pa.

CHEMICAL ENGINEER, fifteen years' varied experience in production, research, sales, in organic chemicals, plastics, rubbers, open for new connection. BOX 382, Oil, Paint and Drug Reporter.

Positions Wanted

BACTERIOLOGIST and chemist, thoroughly experienced in production, distribution, and advertising of vaccines, bacterial antigens, bacteriophages, ointments, and other biological and pharmaceutical products. Young, able, energetic. Good record. BOX 368, Oil, Paint and Drug Reporter.

CHEMIST—Young graduate student, experienced laboratory technique and plant control work, desires position with future possibilities. Pharmaceutical industry preferred but not assential. Has industrial experience. BOX 377, Oil, Paint and Drug Reporter.

POSITION WANTED by man with broad technical and sales experience in the raw-material field; seeks new connection in Eastern territory covering paint, varnish or similar basic industries. BOX 379, Oil, Paint and Drug Reporter.

EXPERT SHADER—Practical paint man, able take charge of factory production; expert shader in all kinds of paints, including industrial finishes. Would like to hear from reliable firm who could use a man of my ability. BOX 380, Oil, Paint and Drug Reporter.

CHEMICAL ENGINEER, A.M., Ph.D., native American, graduate leading European university, with long experience as chief chemist and superintendent chemical plants, seeks suitable connection. BOX 381, Oil, Paint and Drug Reporter.

Services Offered

CHEMIST and chemical engineers—If you are now unemployed send your complete chronological record of education and experience to Chemist Advisory Council, Room 811, 60 East 42nd street, New York City.

ON ANY mineral, metal, chemical or by-product business suggested to us a handsome share of profit will be reserved. Full discretion guaranteed. BOX 339, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES! We purchase any quantity surplus, chemicals, colors, pigments, oils, waxes, drugs, pharmaceuticals, and all basic raw materials, as well as by-products, residues and wastes of all kinds. Entire plants bought. Eastern Color & Chemical Co., 143 Nassau street, New York City. COrtlandt 7-7441.

HIGHER MARKETS—Sell now. Wanted—Surplus or off-grade waxes, chemicals, greases, oils, botanicals, solvents, aromatics, gums, metals. Also wastes, by-products, residues. Single lots. Entire plants. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0133.

PRODUCTION!

PRODUCTION!!
PRODUCTION!!!

Is your front office "hollering" for increased production too? No use explaining or alibi-ing that it takes six months or so to get a new unit, THEY WANT PRODUCTION NOW—not six months from now—not two months from now, *BUT RIGHT NOW.*

"FMC" can make immediate shipments of guaranteed rebuilt units that will increase your production at once. Phone, Write or Wire To-day. We can fill practically every need.

Sales Representatives for
Bump Pumps
Resina Cappers
Pfaudler Equipment
Howes Mixers

A Few Units in Heavy Chemical Equipment Now Available

Baker-Perkins (W&P) Mixers
Devine Vac. Chamber Dryers
Day, Howes, etc., Heavy Duty Mixers
Raymond 2 and 3 Roll High Side Mills
Buffalo Double Effect Evaporator
Grinders, Filters, Presses, Tablet Machines, etc.

FULL DESCRIPTIONS AND QUOTATIONS ON REQUEST

FIRST MACHINERY CORPORATION

GUARANTEED EQUIPMENT — FMC — LIQUIDATORS APPRAISERS

EAST 9th STREET and EAST RIVER DRIVE — GRamercy 7-0820 Cable: "EFFEMCT" — NEW YORK, N. Y.

SEND FOR COMPLETE CATALOG

LIQUIDATING CHEMICAL PLANT

Machinery and Equipment of Very Modern Plant
Almost adjoining our shops at Newark, N. J.

All Equipment of Late Modern Type and in First-Class Condition

Must be moved immediately

PRINCIPAL ITEMS

Completely equipped Laboratory
1—Carrier 2-truck Dryer with York Heat Diffusing System.
2—Raymond No. 00 Screen Mills
2—Mechanical Air Separators
6—Sperry cast iron Filter Presses plate and frame type, open delivery 10", 18", 30", 36"
1—All-Bronze Oliver Filter, 3' x 1', with all auxiliaries
6—Electrically heated Furnaces
2—Ingersoll-Rand Motor Driven Air Compressors, 10 x 8 and 4 x 4
2—Air Receivers, ASME, 300 cu. ft. tested for 185 lbs.
2—35 HP Vertical Boilers
MISCELLANEOUS: Electric Pyrometers, Wood Tanks with agitators, Electric Hoists, Motors, Dial Scales, Stoneware Equipment, Speed Reducers, Unit Heaters, Pumps, Piping, etc.

For Inspection, Call at our Shops, 331 Doremus Avenue, Newark, New Jersey

Don't Forget our Regular Stock of the Finest Rebuilt Machinery and Equipment—Send for Complete Lists

CONSOLIDATED PRODUCTS CO., Inc.
13-18 Park Row - - New York, N.Y.
SHOPS, 335 Doremus Avenue, Newark, N. J.

Index to Advertisements

Advance Solvents & Chemical Corp... 64
Alabama Charcoal Co... —
Alexander, Jerome... 42
Allied Asphalt & Mineral Corp... —
American Agricultural Chem. Co... 1
American-British Chem. Supplies, Inc. —
American Can Co... —
American Cyanamid & Chemical Corp. 9
American Flange & Mfg. Co... —
American Potash & Chemical Corp... 48
American Turpentine Farmers Assn. Cooperative... —
Anderson Prichard Oil Corp... 56
Angus, W. W., Inc... —
Apex Chemical Co., Inc... 48
Asbestos Corp. of America... 39
Association of Consulting Chemists and Chemical Engineers, Inc... 42
Atlantic Coast Fisheries Company... 48
Atlantic Refining Co... 55
Atlas Powder Co... —

Baker, J. T., Chemical Co... 1
Barber Asphalt Corp... 38
Barium & Chemicals, Inc... 28
Barium Reduction Corp... 27
Barrett Company... 34, 57
Bemis Bro. Bag Co... —
Benzol Products Co... —
Berk, F. W., & Co., Inc... —
Brighton Copper Works... 40
Brode Corp., The... 43
Bromund, E. A., Co... —
Bureau of Chemistry... 42
Burke, Edw. S... 49
Bush, W. J., & Co., Inc... —

Calco Chemical Div... —
Calif. Fruit Growers Exchange... —
Capital City Products Co... —
Carbide & Carbon Chemicals Corp... 2
Carbo Chemical Co... 49
Carey, The Philip Co... —
Chemical Solvents, C. P., Inc... 64
Chew, John A., Inc... —
Chilean Nitrate Sales Corp... —
Chipman, R. N., Co., Inc... —
Church & Dwight Co... 27
Colgate-Palmolive-Peet Co... 49
Colledge, E. W., Gen'l Sales Agent... —
Colton, Arthur, Co... 38
Columbia Chemical Div... —
Commercial Solvents Corp... —
Consolidated Products Co., Inc... 62
Consumers Import Co., Inc... 64
Continental Can Co... —
Cowles Detergent Co... —
Crosby Naval Stores, Inc... —
Crown Can Co... —
Crown Oil Products Corp... —

Darling & Co... 43
Day Chemical Company... 42
Desert Chemical Co... —
Diamond Alkali Co... 29
Dickhart, W. H... 42
Dodge & Olcott Co... —
Doggett, Stanley, Inc... —
Dow Chemical Co... —
Dunkel, Paul A., & Co., Inc... 50
DuPont de Nemours, E. I., & Co., Inc. —
Durez Plastics & Chemicals, Inc... —

Eastman Kodak Co... —
Edwal Laboratories, Inc... 48
Ehrlich, J... 42
Electro Bleaching Gas Co... —
Ellis-Foster Co... 42
Emery Industries, Inc... 43

Fairmount Chemical Co., Inc... —
Felton Chemical Co., Inc... 54
Fezandie & Sperrle... 31
First Machinery Corp... 62
Food Research Laboratories, Inc... 42
Frank-Vliet Co., Inc... —
Franks Chemical Products Co... 39
Freeport Sulphur Co... —
Fritzsche Bros., Inc... 52, 55
Fulton Bag & Cotton Mills... 63

Gartenberg, H., & Co... 31
Gelb, R., & Sons... 62
General Drug Company... 17
General Dyestuffs Corp... —
General Electric Co... —
Georgia Kaolin Co... 37
Gesell, R., Inc... —
Givaudan-Delawanna, Inc... —
Gray, William S., & Co... 1
Gray Industrial Laboratories... 42
Greeff, R. W., & Co... 49
Gross, A., & Co... 43
Gruman, J. B., Co... 60

Hallowell, Horace J... 42
Hardesty, W. C., Co., Inc... —
Harshaw Chemical Co... —
Heekin Can Co... —
Heyden Chemical Corp... 47
Holt, C. J., & Co., Inc... 42
Hooker Electrochemical Co... 36
Hopkins, J. L., & Co... 51
Horn, Jefferys, & Co... 38
Huisking, Chas. L., & Co... 48
Hutchinson, D. W., & Co., Inc... 53
Imperial Paper & Color Corp... 39
Independent Mfg. Co... —

Industrial Consulting Labs., Inc... 42
Innis, Speiden & Co... 20
International Pulp Co... —
International Selling Corp... —
Irvington Smelting & Refining Works 27

Jackle, Frank R... —
Jones & Laughlin Steel Corp... —
Jungmann & Co., Inc... —

Kachurin Drug Co... —
Kelco Co... 51
Kentucky Color & Chemical Co... 38
Kessler Chemical Co., Inc... —
Knight, B. H... 42
Koppers Company... 35
Krebs Pigment & Color Corp... —

Laning, E. M., Co... 42
LaWall & Harrisson... 42
Leonhard, Theodor, Wax Co... —
Lueders, George, & Co... 53

Magnus, Mabee & Reynard, Inc... 53
Mallinckrodt Chemical Works... 6
Mantrose Corp... —
Marine Magnesium Products Corp... —
Mathieson Alkali Works, Inc... —
Mathieu, A. H., & Co... 27
McKesson & Robbins, Inc... —
Merck & Co., Inc... 32, 33
Metallurgical Products Co... 28
Metasap Chemical Co... —
Meyer, Herman, Drug Co., Inc... —
Michigan Alkali Co... —
Mills, Zophar, Inc... —
Minnesota Specialty Co... —
Molnar Laboratories... 42
Monsanto Chemical Co... —
Munch, James C... 42
Mutual Chemical Co. of America... 30

National Aniline & Chemical Co., Inc. 15
National Lead Co... —
National Milk Sugar Co... 48
National Rosin Oil & Size Co... 39
Natural Products Refining Co... 31
Neuberg Chemical Corp... 48
Neville Co... —
New Jersey Zinc Co... 41
N. Y. Quinine & Chemical Works, Inc. —
Niacet Chemicals Corp... 31
Niagara Alkali Corp... 26

Oldbury Electro-Chemical Co... 28
Orthmann Laboratories, Inc... 42
Osborn, C. J., Co... 39

Pacific Alkali Co... —
Pacific Coast Borax Co... 1
Pacific Vegetable Oil Corp... —
Paramet Chemical Corp... 37
Parsons, M. W... 39
Penick, S. B., & Co... 50
Pennsylvania Coal Products Co... —
Pennsylvania Industrial Chem. Corp.. 39
Pennsylvania Refining Co... 54
Pfaltz & Bauer, Inc... —
Pfizer, Chas., & Co., Inc... 25
Phelps Dodge Refining Co... —
Philadelphia Quartz Co... —
Phosphate Mining Co... 27
Pittsburgh Plate Glass Co... —
Polachek, Z. H... 42
Potash Co. of America... 58
Prior Chemical Corp... 1
Procter & Gamble... 43, 48
Publicker Commercial Alcohol Co... —
Purdy, W. S., Co., Inc... 42
Pure Calcium Products Division... 1

Raisch, John E., & Co... 42
Reed-Blair Laboratories... 42
Reichhold Chemicals, Inc... 13
Republic Steel Corp... 36
Rheem Mfg. Co... 44
Robinson Wagner Co... 48
Rosenthal, H. H., Co., Inc... —
Rufert Chemical Co... 55

Sadtler, Samuel P., & Son, Inc... 42
St. Joseph Lead Co... —
Schuylkill Chemical Co... 64
Schwarz Laboratories, Inc... 42
Seil, Putt & Rusby, Inc... 42
Sharples Solvents Corp... 64
Shell Oil Co... —
Sherwood Petroleum Co., Inc... 55
Skelly Oil Co... 19
Smith, Kline & French Labs... —
Snell, Foster D., Inc... 42
Socony-Vacuum Oil Co., Inc... —
Solvay Sales Corp... 21
Sonneborn, L., Sons, Inc... —
Standard Alcohol Co... 38
Standard Brands, Inc... —
Standard Oil Co. of Calif... 36
Standard Specialty & Tube Co... 49
Standard Synthetics, Inc... 53
Standard Ultramarine Co... 40
Stauffer Chemical Co... 28
Stillman & Van Siclen, Inc... 42
Stillwell & Gladding... 42
Stroock & Wittenberg Corp... 38
Sun Oil Co... 18

Taintor Trading Co., Inc... 38
Tamms Silica Co... 40
Tar & Chemical Div. of Koppers Co... 35
Tar Residuals, Ltd... 36
Tennessee Corp... —
Texas Gulf Sulphur Co., Inc... —
Thompson-Hayward Chemical Co... —
Thornton, The F. C., Co... 40
Thurston & Braidich... 50
Titanium Pigment Corp... —
Todd, A. M., & Co... 53
Tombarel Products Corp... 53
Truesdail Laboratories, Inc... 42
Turner, Joseph, & Co... 38
Union Carbide & Carbon Corp... 2
U. S. Industrial Chemicals, Inc... 63
United States Potash Co... 57

Vanderbilt, R. T., Co., Inc... —
Victor Chemical Works... 28
Viking Distributing Co... 50
Vol-U-Meter Co... —

Wah Chang Trading Corp... 43
Warner Chemical Co... —
Weiss & Downs, Inc... 42
Wet Ground Mica Assn., Inc... —
White Tar Co. of N. J... 35
Wiley & Co., Inc... 42
Will & Baumer Candle Co., Inc... 44
Williams, C. K., & Co... —
Wilson-Martin Div... 44
Wishnick-Tumpeer, Inc... 11
Woburn Degreasing Co. of N. J... —
Wolf, Jacques, & Co... —
Wood Preserving Corp... 35
Woodridge Mfg. Div... —

Zophar Mills, Inc... —

— the answer to your problems wherever moisture with resulting lumping or caking is a factor in transit or storage. Fulton Waterproof Bags with the special Diastretch lining are stepping up efficiency and effecting real savings for large users all over the country. Save money—replace more expensive containers with Fulton Waterproof Paper Lined Bags for shipping, storing chemicals, pigments and any products that require sift-proof and moisture-proof containers. Write, wire or 'phone your order today. *Quick shipments from Atlanta, Georgia and St. Louis, Missouri.*

FULTON BAG & COTTON MILLS

Manufacturers since 1870

Atlanta · Minneapolis · St. Louis · Dallas · New York · Kansas City, Kan. · New Orleans

ESTIMATE YOUR NEEDS · ORDER TODAY

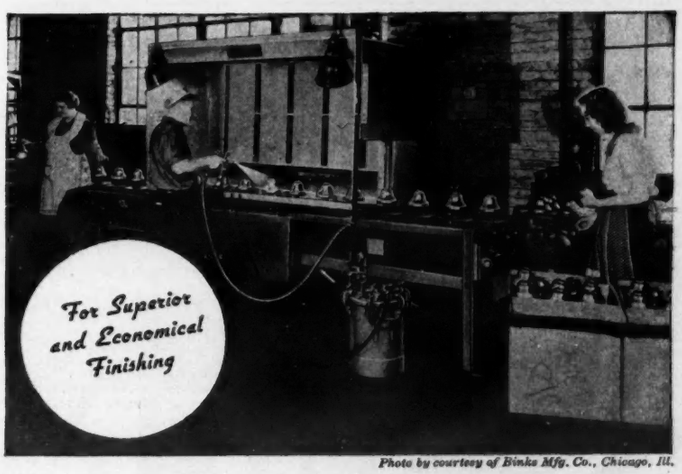


Photo by courtesy of Binks Mfg. Co., Chicago, Ill.

Specify U. S. I. ETHYL ACETATE

Because of its compatibility with practically all solvents, diluents, plasticizers and resins in general use, Ethyl Acetate is perhaps the best known, most versatile and widely used solvent for nitrocellulose. Qualities such as low cost, unlimited, dependable supply, speed of solution and mild, non-residual odor account for its popularity. U.S.I. offers three grades of Ethyl Acetate: 85-88% of pure ester and 12-15% of unconverted alcohol. Next is 95-98%, adjusted to a higher strength for greater ester content. And finally, 99%, containing less than 1% of unconverted alcohol, and representing the purest type of ester commercially available. For detailed information, write:

U. S. INDUSTRIAL CHEMICALS, INC.
60 EAST 42nd STREET, NEW YORK
Branches in all principal cities

√ CHECK LIST
FOR YOUR REQUIREMENTS

Continuous large-scale production results in uniformly high quality products

- ☐ AMYL ACETATE
- ☐ NORMAL BUTYL ACETATE
- ☐ ETHYL ACETATE
- ☐ NORMAL BUTYL ALCOHOL
- ☐ DIBUTYL PHTHALATE
- ☐ SOLOX

"SERRASOL" PROPRIETARY SOLVENT
QUALITY SERVICE PRICE
CHEMICAL SOLVENTS
Incorporated
11 Park Place Telephone BArclay 7-8615-6-7 New York

SHARPLES TRADE MARK SOLVENTS
PENT-ACETATE
AMYL ACETATE
THE SHARPLES SOLVENTS CORP.
PHILADELPHIA CHICAGO NEW YORK

IRON PHOSPHATE INSOLUBLE
IRON PHOSPHATE SOLUBLE N.F.
POTASSIUM ACETATE U.S.P.
POTASSIUM CITRATE U.S.P. XI
SODIUM CITRATE U.S.P. XI
AMMONIUM THIOCYANATE C.P.
ALLANTOIN
SCHUYLKILL CHEMICAL COMPANY
2346-2354 Sedgley Avenue - Philadelphia, Pa.

VISTANEX
POLYBUTENE MEDIUM
A Non-Oxidizing Rubbery Material

VISTANEX Polybutene Medium is a tough, rubbery, colorless material resembling crepe rubber in consistency.

It can be milled into vulcanizing stocks as a partial replacement for rubber, in order to improve the age and ozone resisting properties of the vulcanized articles.

VISTANEX Polybutene-Rubber blends also exhibit improved resistance to the absorption of animal and vegetable oils.

For further information and working samples, consult our Technical Service Department

ADVANCE SOLVENTS & CHEMICAL CORPORATION
245 FIFTH AVENUE NEW YORK, N.Y.

VITAMIN PRODUCTS
(High Potency Fish Liver Oils)
•
MENTHOL
AGAR AGAR
All grades
CONSUMERS IMPORT CO., Inc.
342 MADISON AVENUE, NEW YORK, TEL. VANDERBILT 6-5722-3-4